TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

FUEL SYSTEM

NAVY MODEL F/A-18A AND F/A-18B 161353 AND UP

N00421-98-D-1339

This manual supersedes A1-F18AC-460-300, dated 1 April 1988, through Change 8, dated 1 January 1996.

This volume is one of four volumes and is incomplete without A1-F18AC-460-310, A1-F18AC-460-320 and A1-F18AC-460-330. This volume contains WP001 00 through WP021 01.

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List of Current Changes

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Only those work packages/pages assigned to the manual are listed in this index. Insert Change _____, dated ______. Dispose of superseded and deleted work packages/pages. Superseded and deleted classified work package, insert the changed pages in the applicable work package. The portion of text affected in a changed or revised work package is indicated by change bars or the change symbol "R" in the outer margin of each column of text. Changes to illustrations are indicated by pointing hands or change bars, as applicable.

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LIST OF TECHNICAL PUBLICATIONS DEFICIENCY REPORTS INCORPORATED ORGANIZATIONAL MAINTENANCE

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FUEL SYSTEM

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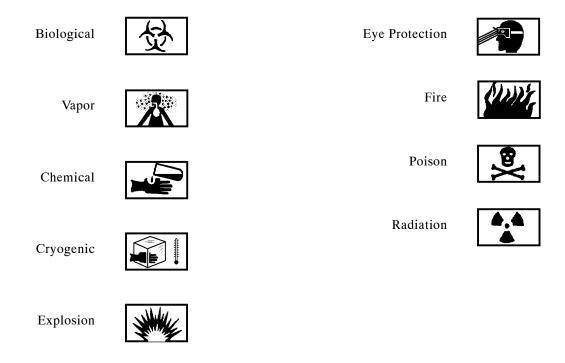
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WARNINGS APPLICABLE TO HAZARDOUS MATERIALS

Warnings in this manual alert personnel to hazards associated with the use of hazardous materials. Additional information related to hazardous materials is provided in OPNAVINST 5100.23, Navy Occupational Safety and Health (NAVOSH) program manual, NAVSUPINST 5100.27, Navy Hazardous Material Control Program, and the DOD 6050.5, Hazardous Materials Information System (HMIS) series publications. For each hazardous material used within the Navy, a Material Safety Data Sheet (MSDS) must be provided and available for review by users. Consult your local safety and health staff concerning any questions regarding hazardous materials, MSDS, personal protective equipment requirements, appropriate handling and emergency procedures, and disposal guidance.

Under the heading "HAZARDOUS MATERIALS WARNINGS," complete warnings, including related icons(s) and numeric identifier, are provided for hazardous materials used in this manual.

In the text of the manual, the caption "WARNING" is not used for hazardous material warnings. Hazards are cited with appropriate icon(s), the nomenclature of the hazardous material, and the numeric identifier that relates to the complete warnings. Users of hazardous materials shall refer to the complete warnings, as necessary.



EXPLANATION OF HAZARDOUS SYMBOLS



The abstract symbol bug shows a material that may contain bacteria or viruses that present a danger to your life or health.



The symbol of a liquid dripping onto a hand shows that the material will cause burns or irritation to human skin or tissue.



The symbol of a hand in a block of ice shows that the material is extremely cold and can injure human skin or tissue.



The rapidly expanding symbol shows that the material may explode if subjected to high temperature, sources of ignition, or high pressure.



The symbol of a person wearing goggles shows that the material will injure the eyes.



The symbol of a fire shows that the material may ignite and cause burns.



The symbol of a skull and crossbones shows that the material is poisonous or is a danger to life.



The symbol of three circular wedges shows that the material emits radioactive energy and can injure human tissue or organs.



The symbol of a human figure in a cloud shows that material vapors of a material present a danger to life or health.

HAZARDOUS MATERIALS WARNINGS

<u>Index</u> <u>Material</u> <u>Warning</u>

1 Technical Petrolatum, VV-P-236





2 Leak Test Compound, MIL-L-25567, Type 1





3 Lubricating Oil, MIL-L-6081, Grade 1010









4 Isopropyl Alcohol, TT-I-735









5 Sealing Compound, MIL-S-8802, Class B 1/2







Petrolatum, VV-P-236, is an eye irritant and upon exposure may cause skin irritation. May cause stomach/intestinal irritation upon ingestion. Avoid extreme heat and strong oxidizing agents. Protection: neoprene gloves and chemical goggles.

Leak detection compound, MIL-L-25567, Type 1, is a skin and eye irritant. Avoid contact with strong oxidizing agents and reducers particularly alkaline materials. Protection: rubber gloves and chemical goggles.

If lubricating oil, MIL-L-6081, Grade 1010, is decomposed by heat, toxic gases are released. Prolonged contact with liquid or mist may cause dermatitis and irritation. If there is any prolonged contact with skin, wash area with soap and water. If solution contacts eyes, flush eyes with water immediately. Remove saturated clothing. If oil is swallowed, do not try to vomit. Get immediate medical attention. When handling liquid, wear rubber gloves. If prolonged contact with mist is likely, wear approved respirator.

Isopropyl alcohol, TT-I-735, is flammable - do not use near open flames, near welding areas, or on hot surfaces. Do not smoke when using it and do not use it where others are smoking. Inhalation of vapors can cause drowsiness, dizziness, and headache. Contact of liquid with skin may cause dermatitis and irritation. If any liquid contacts skin or eyes, immediately flush affected area thoroughly with water. Remove solvent-saturated clothing. If vapors cause drowsiness, go to fresh air. When handling large quantities greater than one gallon), work at air-exhausted workbench or covered tank. Store solvent and dispose of liquid-soaked clothes in approved metal safety container. Metal containers of liquid must be grounded to maintain electrical continuity.

Sealing Compound, MIL-S-8802, Class B 1/2 is toxic. Prolonged breathing of vapors from organic solvents or materials containing organic solvents is dangerous. Rubber gloves shall be used. Wash hands thoroughly with soap and water before eating, drinking, or smoking. Contains chromates; follow approved toxic waste disposal procedures.

HAZARDOUS MATERIALS WARNINGS (Continued)

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6 Adhesive, EC-776









7 Corrosion Preventative Compound, MIL-C-85054, Type 1









8 Sealing Compound, MIL-S-8802, Class A 1/2







9 Sealing Compound, MIL-S-81733 Type I-1/2







Adhesive, EC-776 is toxic and flammable. Avoid contact with skin and eyes. Use in well ventilated area and avoid breathing vapors. Wash hands thoroughly after each use. Close container after usage. Store in a cool, dry and well ventilated area. Avoid contact with strong oxidizing agents. Protection: rubber gloves, chemical resistant goggles and protective skin compound; respirator with organic vapor cartridge required in poorly ventilated areas.

Corrosion preventative compound, MIL-C-85054, Type 1, is flammable - keep it away from heat, sparks and open flames. Do not smoke when using it. Use in a well ventilated area. Inhalation of vapors is harmful. Wear rubber gloves, chemical goggles (or face shield), and protective neoprene apron. If splashed on clothing or in eyes, remove clothing immediately and flush skin/eyes with clear water for 15 minutes. If vapors cause light-headedness, go to fresh air. If liquid is swallowed, do not try to vomit. Get prompt medical attention. Keep away from spillage. Use absorbent to soak up spilled solution. Dispose of absorbent in accordance with local, state, and federal regulations Keep solution away from oxygen and strong oxidants. Store in approved metal safety container. Keep containers closed when not in use.

Sealing Compound, MIL-S-8802, Class A-1/2, is toxic. Prolonged breathing of vapors from organic solvents or materials containing organic solvents is dangerous. Rubber gloves shall be used. Wash hands thoroughly with soap and water before eating, drinking, or smoking. Contains chromates; follow approved toxic waste disposal procedures.

Sealing Compound, MIL-S-81733, Type I-1/2 is toxic. Prolonged breathing of vapors from organic solvents, or materials containing organic solvents, is dangerous. Rubber gloves shall be used. Wash hands thoroughly with soap and water before eating, drinking or smoking. Contains chromates; follow approved toxic waste disposal procedures.

HAZARDOUS MATERIALS WARNINGS (Continued)

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10 Adhesive, EC-847









11 Sealing Compound, MIL-S-8802, Type 2, Class A 1/2







Adhesive, EC-847, weather-coating contains organic solvent and is flammable -- do not use near open flames, welding areas or on hot surfaces. Do not smoke when using or where others are smoking. Prolonged breathing of vapors is dangerous. Use in well ventilated spaces. Use respirator in confined areas. Avoid skin contact. Prolonged or repeated skin contact can have a toxic effect on affected skin area.

Sealing Compound, MIL-S-8802, Type 2, Class A-1/2 is toxic. Prolonged breathing of vapors from organic solvents or materials containing organic solvents is dangerous. Rubber gloves shall be used. Wash hands thoroughly with soap and water before eating, drinking, or smoking. Contains chromates; follow approved toxic waste disposal procedures.

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SYSTEM MAINTENANCE WITH IPB

FUEL SYSTEM

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Fuel/Oil Heat Exchanger Check Valve and Manifold	145 00

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001 00

Title	WP Number
Fuel Quantity	
Gaging Intermediate Device	162 00
Indicator	160 00
Repeater Indicator - F/A-18B	161 00
Fuel Quantity Transmitter	
Center Wing	169 00
External Fuel Tank	096 00
Inboard Wing	168 00
No. 1 Fuel Tank - F/A-18A	163 00
No. 1 Fuel Tank - F/A-18B	164 00
No. 2 Fuel Tank	165 00
No. 3 Fuel Tank	166 00
No. 4 Fuel Tank	167 00
Outboard Wing	170 00
Fuel System Control Panel	104 00
Fuel System Restrictors	144 01
Fuel Sensor, Vertical Stabilizer Vent Tank	159 00
Fuel Shutoff Valve	137 00
Wing Damage	122 00
	135 00
Engine	035 00
Fuel Tank Access Fitting Floating Nut Repair	033 00
	003 00
Access Cover - F/A-18A, No. 1	
Access Cover - F/A-18B, No. 1	004 00
Access Cover, No. 2	005 00
Access Cover, No. 3	006 00
Access Cover, No. 4 Aft	008 00
Access Cover, No. 4 Forward	007 00
Access Cover, Vent	009 00
Access Fitting Dome Nut Replacement	035 02
Access Fitting Floating Nut Repair	035 00
Backing Boards, No. 2 and No. 3	035 01
Drain Valves	066 00
Drain Valve Housings	066 01
Entry Procedure, No. 4 Fuel Tank	008 00
Fitting Repair	036 00
General Preparation	013 00
Inspection and Folding, No. 1	017 00
Inspection and Folding, No. 2	021 00
Inspection and Folding, No. 3	025 00
Inspection and Folding, No. 4	029 00
Installation, No. 1 - F/A-18A	011 00
Installation, No. 1 - F/A-18B	015 00
Installation, No. 2	019 00
Installation, No. 3	023 00
Installation, No. 4	027 00
Inverted Flight Vent Check Valve	156 01
Lacing, No. 4	030 00
Maintenance Precautions	013 00
Maintenance Precautions and General Preparation	013 00
Removal, No. 1 - F/A-18A	010 00
Removal, No. 1 - F/A-18B	014 00

Title	WP Number
Removal, No. 2	018 00
Removal, No. 3	022 00
Removal, No. 4	026 00
Fuel Tank Cavity	
Bulkhead Fittings and Supports, No. 1	040 00
Bulkhead Fittings and Supports, No. 2	041 00
Bulkhead Fittings and Supports, No. 3	042 00
Bulkhead Fittings and Supports, No. 4	043 00
Bulkhead Fittings and Supports, Vent	044 00
Drains	039 00
Foam/Honeycomb Filler, F/A-18A, No. 1	017 01
Foam/Honeycomb Filler, F/A- 18B, No. 1	017 02
Foam Filler, No. 2	021 01
Foam Filler, No. 3	025 01
Foam Filler, No. 4	029 01
Foam Filler, Vent	034 01
Inspection, No. 1 Fuel Tank - F/A-18A	010 00
Inspection, No. 1 Fuel Tank - F/A-18B	014 00
Inspection, No. 2 Fuel Tank	018 00
Inspection, No. 3 Fuel Tank	022 00
Inspection, No. 4 Fuel Tank	026 00
Inspection, Vent	031 00 039 00
Preparation	039 00
Repair	036 00
Thermal Blankets	030 01
To Pylon Fuel Coupling Valve	097 00
Transfer Pressure Transducer	068 00
Graphic Index (Component Locator)	000 00
Inside Fuel Tanks	001 01
Outside Fuel Tanks	001 02
Gravity Check Valve, Wing Fuel	119 00
Gravity Feed Check Valve, No. 2 Fuel Tank	111 00
Gravity Feed Check Valve, No. 3 Fuel Tank	115 00
Ground Air Pressurization Connector or Filter	147 00
Ground Refuel/Defuel Receptacle	045 00
Ground Support Equipment (GSE)	009 01
Ground Receptacle, External Fuel Tank (Cylindrical)	090 04
Heat Exchangers	
And Manifold, Fuel/Air	144 02
Check Valve, Fuel/Oil	145 00
Wash Filter	138 01
Hi-Lok Covers Installation	039 00
High Level Pilot Valve	
No. 1 Fuel Tank Fuel Level Control Shutoff Valve and	057 00
No. 2 Fuel Tank Fuel Level Control Shutoff Valve and	058 00
No. 3 Fuel Tank Fuel Level Control Shutoff Valve and	059 00
No. 4 Fuel Tank Fuel Level Control Shutoff Valve and	060 00
Honeycomb Filler	
F/A-18A, No. 1 Fuel Tank Cavity Foam	017 01
F/A-18B, No. 1 Fuel Tank Cavity Foam	017 02
Hook, External Fuel Tank Pivot	092 02

Title	WP Number
Hot Fuel Recirculation Check Valve	144 00
Housings, Fuel Tank Drain Valve	066 01
Hydraulic Check Valve, Inflight Refueling	079 01
Hydraulic Tube Assemblies, Inflight Refueling Probe Actuating Cylinder	078 00
Illustrated Parts Breakdown	002 00
Inboard Wing Fuel Quantity Transmitter	168 00
Index, Graphic (Component Locator)	
Inside Fuel Tanks	001 01
Outside Fuel Tanks	001 02
Indicator	
Fuel Quantity	160 00
Fuel Quantity Repeater, F/A-18B	161 00
Tank Pressure/Fuel Flow	049 00
Individual Tank Precheck Valve	048 00
Inflight Refueling	0.10.00
Check Valve	087 00
Directional Control Valve	079 00
Directional Control Valve, Emergency	080 00
	080 00
Floodlight	
Floodlight Repair	083 00
Floodlight Transformer	084 00
Hydraulic Check Valve	079 01
Probe Actuating Cylinder	078 00
Probe Actuating Cylinder Hydraulic Tube Assemblies	078 00
Probe and Door Drive Mechanism	077 00
Probe Assembly	076 00
Probe Door	086 00
Probe Fairing	085 00
Probe Nozzle	074 00
Probe Retract Limit Switch	082 00
Probe Rigging	088 00
Probe Shuttle Valve	081 00
Inspection	
Coupling, Fuselage Fuel Tanks Motive Flow/Transfer Tubes	013 01
No. 1 Fuel Tank Cavity - F/A-18A	010 00
No. 1 Fuel Tank Cavity - F/A-18B	014 00
No. 2 Fuel Tank Cavity	018 00
No. 3 Fuel Tank Cavity	022 00
No. 4 Fuel Tank Cavity	026 00
No. 1 Fuel Tank Folding and	017 00
No. 2 Fuel Tank Folding and	021 00
No. 3 Fuel Tank Folding and	025 00
No. 4 Fuel Tank Folding and	029 00
Vent Tank Cavity	031 00
Vent Tank Folding and	034 00
Installation	
External Fuel Tank (Cylindrical or Elliptical)	089 01
No. 1 Fuel Tank - F/A-18A	011 00
No. 1 Fuel Tank - F/A-18B	015 00
No. 2 Fuel Tank	019 00
No. 3 Fuel Tank	023 00
No. 4 Fuel Tank	027 00

Title	WP
	Number
Vent Fuel Tank	032 00
Interconnect Valve	
No. 1 Fuel Tank Pressure Operated	107 00
No. 2 Fuel Tank Pressure Operated	110 00
No. 3 Fuel Tank Pressure Operated	114 00
Restrictors	144 01
Intermediate Device, Fuel Quantity Gaging	162 00
Internal Air Pressurization Check Valve	152 00
Internal Fuel Tanks Air Pressure Regulator	148 00
Introduction	002 00
Effectivities	002 00
Illustrated Parts Breakdown	002 00
Manual Issue Date	002 00
Navy (AN) Standard/Common Name Nomenclature	002 00
Purpose	002 00
Quality Assurance Procedures	002 00
Record of Applicable Technical Directives	002 00
Requisitioning and Distribution of NAVAIR Technical Publications	002 00
Technical Directives	002 00
Technical Publications Deficiency Report (TPDR)	002 00
Inverted Flight Baffle Repair, No. 2 Fuel Tank	020 03
Inverted Flight Baffle Repair, No. 3 Fuel Tank	024 03
Inverted Flight Vent Check Valve, Fuel Tank	156 01
IPB	130 01
No. 1 Fuel Tank - F/A-18A	012 00
No. 1 Fuel Tank - F/A-18B	012 00
No. 2 Fuel Tank No. 2 Fuel Tank	020 00
No. 3 Fuel Tank	020 00
No. 4 Fuel Tank	024 00
	028 00
Vent Tank	033 00
Jet Ejector	106 00
No. 1 Fuel Tank Transfer	133 00
No. 2 Fuel Tank Engine Fuel Boost	134 00
No. 3 Fuel Tank Engine Fuel Boost	
No. 4 Fuel Tank Transfer	117 00
No. 4 Fuel Tank Vent Scavenge	125 00
Refueling Manifold Scavenge	064 00
Strainer, Wing Transfer	124 00
Wing Transfer	124 00
Jet Level Sensor (See Fuel Level Sensor)	002.00
Jettison Pivot Ball Adapter, External Fuel Tank	092 00
Jettison Pivot Support, External Fuel Tank	092 00
Jumper Cable, External Fuel Tank, Centerline	089 02
Jumper Cable, External Fuel Tank, Wing	089 02
Lacing	
No. 1 Fuel Tank - F/A-18A	011 00
No. 1 Fuel Tank - F/A-18B	015 00
No. 2 Fuel Tank	019 00
No. 3 Fuel Tank	023 00
No. 4 Fuel Tank	030 00
Left Boost Inlet Pressure Transducer	069 00
Limit Switch, Inflight Refueling Probe Retract	082 00
Lockout Valve, Wing Refuel	051.00

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001 00

Title	. WP
	Number
Low Level Sensing Control Unit	171 00
Low Level Shutoff Valve, No. 1 Fuel Tank	105 02
Lugs, External Fuel Tank	092 01
Manual Issue Date	002 00
Master Precheck Valve	047 00
Metal Seal Cover Installation Hi-Lok	039 00
Motive Flow	
Boost Pump	138 00
Check Valve, Engine	121 00
Check Valve, Engine Transfer	120 00
No. 1 Fuel Tank	
Access Cover - F/A-18A	003 00
Access Cover - F/A-18B	004 00
Cavity Bulkhead Fittings and Supports	040 00
Cavity Foam/Honeycomb Filler - F/A-18A	017 01
Cavity Foam/Honeycomb Filler - F/A-18B	017 02
CG Control Valve	105 01
Climb Vent Check Valve	154 00
Dive Vent Check Valve	155 00
Fuel Level Control Shutoff Valve and High Level Pilot Valve	057 00
Fuel Low Level Shutoff Valve	105 02
Fuel Quantity Transmitters - F/A-18A	163 00
Fuel Quantity Transmitters - F/A-18B	164 00
Fuel Transfer Shutoff Valve and Pilot Valve	105 00
Inspection and Folding	017 00
Installation - F/A-18A	011 00
Installation - F/A-18B	015 00
Parts List - F/A-18A	012 00
Parts List - F/A- 18B	016 00
Pressure Operated Interconnect Valve	107 00
Refuel/Transfer Check Valve	052 00
Removal - F/A-18A	$010\ 00$
Removal - F/A-18B	014 00
Restrictor Fuel Level Control Shutoff Valve	144 01
Transfer Control Valve	105 01
Transfer Precheck Valve	129 00
Transfer Jet Ejector	106 00
No. 2 Fuel Tank	
Access Cover	005 00
Backing Boards	035 01
Boost Pump Motive Flow	138 00
Cavity Bulkhead Fittings and Supports	041 00
Cavity Foam Filler	021 01
Dive Vent Check Valve	156 00
Engine Fuel Boost Jet Ejector	133 00
Fuel Level Control Shutoff Valve and High Level Pilot Valve	058 00
Fuel Level Sensor	109 00
Fuel Quantity Transmitter	165 00
Gravity Feed Check Valve	111 00
Inspection and Folding	021 00
Installation	019 00
Inverted Flight Baffle, Repair	020 03
	32000

Title	WP Number
Invested Elight Vent Cheek Velve	
Inverted Flight Vent Check Valve Parts List	
Pressure Operated Interconnect Valve	
*	
Refueling Manifold Scavenge Jet Ejector	
Removal	
Restrictor, Fuel Transfer	
Transfer Shutoff Valve	
Turbine Boost Pump, Engine Fuel	
Wash Filter	. 131 00
No. 2 and No. 3 Fuel Tank	025.01
Backing Boards	
Restrictor Interconnect Valve	. 144 01
No. 3 Fuel Tank	00600
Access Cover	
Backing Boards	
Boost Pump, Motive Flow	
Cavity Bulkhead Fittings and Supports	
Cavity Foam Filler	
Defuel Valve	
Dive Vent Check Valve	. 156 00
Engine Fuel Boost Jet Ejector	
Fuel Level Control Shutoff Valve and High Level Pilot Valve	
Fuel Level Sensor	. 113 00
Fuel Quantity Transmitter	
Fuel Transfer Shutoff Valve	. 112 00
Gravity Feed Check Valve	. 115 00
High Level Pilot Valve	. 059 00
Inspection and Folding	. 025 00
Installation	. 023 00
Inverted Flight Baffle, Repair	. 024 03
Inverted Flight Vent Check Valve	. 156 01
Parts List	. 024 00
Pressure Operated Interconnect Valve	. 114 00
Removal	
Repair, Inverted Flight Baffle Assembly	
Restrictor, Fuel Level Control Shutoff Valve	
Restrictor, Jet Level Sensor Tube	
Turbine Boost Pump, Engine Fuel	
Wash Filter	
No. 4 Fuel Tank	
Aft Access Cover	. 008 00
Automatic Drain Valve	
Cavity Bulkhead Fittings and Supports	
Cavity Foam Filler	
CG Control Valve	
Dive Vent Check Valve	
Entry Procedure	
Forward Access Cover	
Fuel Diverter Valve	
Fuel Level Control Shutoff Valve and High Level Pilot Valve	
Fuel Quantity Transmitters	167.00

Title	WP Number
Fuel Transfer Shutoff Valve and Pilot Valve	116 00
Inspection and Folding	029 00
Installation	027 00
Lacing	030 00
Parts List	028 00
Refuel/Transfer Check Valve	053 00
Removal	026 00
Restrictor, Fuel Transfer	144 01
Transfer Control Valve	116 03
Transfer Jet Ejector	117 00
Transfer Motive Flow Check, Engine	120 00
Transfer Precheck Valve	130 00
Vent Scavenge Jet Ejector	125 00
Wing Damage Fuel Shutoff Valve	122 00
Nozzle, Inflight Refueling Probe	074 00
Orifice, External Fuel System Pressurization Bleed	101 01
Orifices (See Restrictors)	
Outboard Wing Fuel Quantity Transmitter	170 00
Pad, Swaybrace, External Fuel Tank (Cylindrical)	092 04
Panel	
Fuel Check	046 00
Fuel System Control	104 00
Parts List	
No. 1 Fuel Tank - F/A-18A	012 00
No. 1 Fuel Tank - F/A-18B	016 00
No. 2 Fuel Tank	020 00
No. 3 Fuel Tank	024 00
No. 4 Fuel Tank	028 00
Vent Tank	033 00
Pilot Float Valve, Wing Motive Flow	123 00
Pilot Valve	
No. 1 Fuel Tank Fuel Transfer	105 00
No. 1 Fuel Tank High Level	057 00
No. 2 Fuel Tank High Level	058 00
No. 3 Fuel Tank High Level	059 00
No. 4 Fuel Tank Fuel Transfer	116 00
No. 4 Fuel Tank High Level	060 00
Wing High Level Refuel/Defuel	062 00
Wing Low Level Refuel/Defuel	063 00
Pivot Ball Adapter, External Fuel Tank Jettison	092 00
Pivot Hook, External Fuel Tank	092 02
Pivot Support, Jettison, External Fuel Tank	092 00
Precheck Valve	0.40.00
Individual Tank	048 00
Master	047 00
No. 1 Fuel Tank Transfer	129 00
No. 4 Fuel Tank Transfer	130 00
Preparation, Fuel Tank Cavity	039 00
Pressure/Fuel Flow Indicator, Tank	049 00
Pressure Switches	1.40.00
Air	149 00
External Fuel System	101 00

Title	WP Number
Pressure Switch, Fuel Boost	139 00
Pressurization Bleed Orifice, External Fuel System	101 01
Pressurization System Air Pump	150 00
Probe (Also see Inflight Refueling)	
Actuating Cylinder, Inflight Refueling	078 00
Assembly, Inflight Refueling	076 00
Door, Inflight Refueling	086 00
Fairing, Inflight Refueling	085 00
Floodlight, Inflight Refueling	083 00
Nozzle, Inflight Refueling	074 00
Retract Limit Switch, Inflight Refueling	082 00
Rigging, Inflight Refueling	088 00
Probes, External Fuel Tank to Pylon Fuel and Air	098 00
Protruding Type Bulkhead Connectors, Replacement	013 02
Pump Motive Flow/Boost	138 00
Pressurization System Air	150 00
Purpose	002 00
Pylon Jumper Cables, External Fuel Tank	089 02
Pylon Flame Arrestor	099 00
Pylon Fuel and Air Probes, External Fuel Tank to	098 00
Pylon Fuel Coupling Valve, Fuselage to	097 00
Pylon Pivot Hook	092 02
Pylon to External Tank Fuel/Air Coupling Valves	100 00
Quality Assurance Procedures	002 00
Receptacle, External Fuel Tank (Cylindrical) Grounding	090 04
Recirculation Check Valve, Hot Fuel	144 00
Record of Applicable Technical Directives	002 00
Refuel/Defuel	
Pilot Valve, Wing High Level	062 00
Pilot Valve, Wing Low Level	063 00
Receptacle, Ground	045 00
Shutoff Valve	054 00
Shutoff Valve Strainer, Wing	061 00
Shutoff Valve, Wing	061 00
Refuel Scavenge Line Pressure Transducer	073 00
Refuel/Transfer Check Valve, Cylindrical External Fuel Tank	090 06
Refuel/Transfer Check Valve, No. 1 Fuel Tank	052 00
Refuel/Transfer Check Valve, No. 4 Fuel Tank	053 00
Refueling Manifold Scavenge Jet Ejector	064 00
Regulator	
External Fuel Tank Air Pressure	093 00
Internal Fuel Tanks Air Pressure	148 00
Removal	
External Fuel Tank (Cylindrical or Elliptical)	089 01
No. 1 Fuel Tank - F/A-18A	010 00
No. 1 Fuel Tank - F/A-18B	014 00
No. 2 Fuel Tank	018 00
No. 3 Fuel Tank	022 00
No. 4 Fuel Tank	026 00
Vent Fuel Tank	031 00

Title	WP Number
Repair	
Bulkhead Fittings and Supports	038 00
External Fuel Tank	089 01
Fuel Check Panel	046 00
Fuel Tank Access Fitting Floating Nut	035 00
Fuel Tank Cavity Fittings	038 00
Fuel Tank Drain Valves	066 00
Fuel Tank Fittings	036 00
Inflight Refueling Floodlight	083 03
No. 2 Fuel Tank Inverted Flight Baffle Assembly	020 03
No. 3 Fuel Tank Inverted Flight Baffle Assembly	024 03
Retainers	038 01
Repeater Indicator - F/A-18B, Fuel Quantity	161 00
Fuel System	144 01
Retainer Repair, Bulkhead Connector	038 01
Rigging, Inflight Refueling Probe	088 00
Right Boost Inlet Pressure Transducer	070 00
Round External Fuel Tank (See Cylindrical External Fuel Tank)	
Running Torque, Bulkhead Nut/Retainer Installation	013 00
Scavenge Check Valve, Vent Tank	126 00
Scavenge Control Valve	065 00
Scavenge Pump Inlet Screen	127 00
Screen Scavenge Pump Inlet	127 00
Selector Valve, Fuel Level Control	128 00
Sensing Control Unit, Low Level	171 00
Sensor	
Fuel Flow	050 00
Fuel Feed Line Temperature	137 00
No. 2 Fuel Tank Fuel Level	109 00
No. 3 Fuel Tank Fuel Level	113 00
Vertical Stabilizer Vent Tank Fuel	159 00
Shutoff Valve	126.00
Fuel Crossfeed	136 00
No. 1 Fuel Tank Fuel Level Control	057 00
No. 2 Fuel Tank Fuel Level Control	058 00
No. 3 Fuel Tank Fuel Level Control	059 00
No. 4 Fuel Tank Fuel Level Control	060 00
No. 1 Fuel Tank Fuel Transfer	105 00
No. 2 Fuel Tank Fuel Transfer	108 00
No. 3 Fuel Tank Fuel Transfer	112 00
No. 4 Fuel Tank Fuel Transfer	116 00
Refuel/Defuel	054 00
Strainer, Wing Refuel/Defuel	061 00
Wing Damage Fuel	122 00
Wing Refuel/Defuel	061 00
Wing Transfer Motive Flow	124 00
Shuttle Valve, Inflight Refueling Probe	081 00
Siphon Breaker Check Valve	157 00
Strainer	
Fuel Transfer Tube	124 01
Jet Ejector	124 00

Title	WP Number
Wing Refuel/Defuel Shutoff Valve	061 00
Support Equipment, Ground	009 01
Supports Bulkhead Fittings and (See Bulkhead Fittings and Support)	
Swaybrace Pad, External Fuel Tank (Cylindrical)	092 04
Switch	
Air Pressure	149 00
External Fuel System Air Pressure	101 00
Fuel Boost Pressure	139 00
Inflight Refueling Probe Retract Limit	082 00
Tank Pressure/Fuel Flow Indicator	049 00
Technical Directives	002 00
Temperature Sensor, Fuel Feed Line	137 00
Thermal Blankets	
Fuel Tank Cavity	036 01
Torque, Bulkhead Nut/Retainer Installation Running	013 00
Transducer	
External Tanks Air Pressure	072 00
Fuselage Transfer Pressure	068 00
Left Boost Inlet Pressure	069 00
Refuel Scavenge Line Pressure	073 00
Right Boost Inlet Pressure	070 00
Vent Tank Pressure	071 00
Wing Transfer Pressure	067 00
Transfer Control Valve	00, 00
No. 1 Fuel Tank	105 01
No. 4 Fuel Tank	116 03
Transformer, Inflight Refueling Floodlight	084 00
Transmitter, Fuel Quantity	00100
Center Wing	169 00
External Fuel Tank	096 00
Inboard Wing	168 00
No. 1 Fuel Tank - F/A-18A	163 00
No. 1 Fuel Tank - F/A-18B	164 00
No. 2 Fuel Tank	165 00
No. 3 Fuel Tank	166 00
No. 4 Fuel Tank	167 00
Outboard Wing	170 00
Trumpet Valve	128 00
Tube, Fuel, Crossfeed	136 01
Tube, Vent, External Fuel Tank	092 03
Turbine Boost Pump, Engine Fuel	0,2 05
No. 2 Fuel Tank	133 03
No. 3 Fuel Tank	134 03
Valve	10.00
Defuel	056 00
Fuel Deverter	146 00
Fuel Dump	141 00
Fuel Level Control Selector	128 00
Individual Tank Precheck	048 00
Inflight Refueling Probe Shuttle	040 00
Master Precheck	047 00
No. 1 Fuel Tank Pressure Operated Interconnect	107 00
	10, 00

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Title	WP
	Number
No. 1 Fuel Tank Transfer Control (CG)	105 01
No. 1 Fuel Tank Transfer Precheck	129 00
No. 2 Fuel Tank Pressure Operated Interconnect	110 00
No. 3 Fuel Tank Pressure Operated Interconnect	114 00
No. 4 Fuel Tank Transfer Precheck	130 00
Scavenge Control	065 00
Wing Air Coupling	103 00
Wing Fuel Coupling	102 00
Wing Motive Flow Pilot Float	123 00
Wing Refuel Lockout	051 00
Vent Line Flame Arrestor	158 00
Vent Tank	130 00
Access Cover	009 00
Cavity Bulkhead Fittings and Supports	044 00
	034 01
Cavity Foam Filler	
Dumpline Automatic Drain Valve	142 00
Fuel Sensor, Vertical Stabilizer	159 00
Inspection and Folding	034 00
Installation	032 00
Parts List	033 00
Pressure Transducer	071 00
Removal	031 00
Scavenge Check Valve	126 00
Scavenge Jet Ejector	125 00
Scavenge Pump Inlet Screen	127 00
Siphon Breaker Check Valve	157 00
Vent Tube, External Fuel Tank	092 03
Vertical Stabilizer Vent Tank Fuel Sensor	159 00
Wash Filter	
Heat Exchangers	138 01
No. 2 Fuel Tank	131 00
No. 3 Fuel Tank	132 00
Wing	
Air Coupling Valve	103 00
Damage Fuel Shutoff Valve	122 00
Fuel Coupling Valve	102 00
Fuel Gravity Check Valve	119 00
Fuel Quantity Transmitter, Center	169 00
Fuel Quantity Transmitter, Inboard	168 00
Fuel Quantity Transmitter, Outboard	170 00
High Level Refuel/Defuel Pilot Valve	062 00
Low Level Refuel/Defuel Pilot Valve	063 00
Motive Flow Pilot Float Valve	123 00
Pylon Flame Arrestor	099 00
Pylon to External Tank Fuel/Air Coupling Valve	100 00
Refuel/Defuel Shutoff Valve	061 00
Refuel/Defuel Shutoff Valve and Strainer	061 00
Refuel Lockout Valve	051 00
Restrictors	144 01
Transfer Jet Ejector	124 00
Transfer Jet Ejector Strainer	124 00
Transfer Motive Flow Shutoff Valve	124 00

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GRAPHIC INDEX

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

FUEL SYSTEM COMPONENTS (INSIDE FUEL TANKS)

Reference Material

Fuel System		F18AC-460-300
Graphic Index (Outside Fuel Tanks)	WP001 02

Alphabetical Index

Subject	Page No
Inside Fuel Tanks	
Fuselage Fuel Tanks, Figure 1	2
No. 1 Fuel Tank, Figure 2	3
No. 2 Fuel Tank, Figure 3	4
No. 3 Fuel Tank, Figure 4	8
No. 4 Fuel Tank, Figure 5	12
Vent Tank, Figure 6	14
Wing Fuel Tanks, Figure 7	15

- 1. This graphic index provides a cross reference from
- a pictorial locator to a work package number.

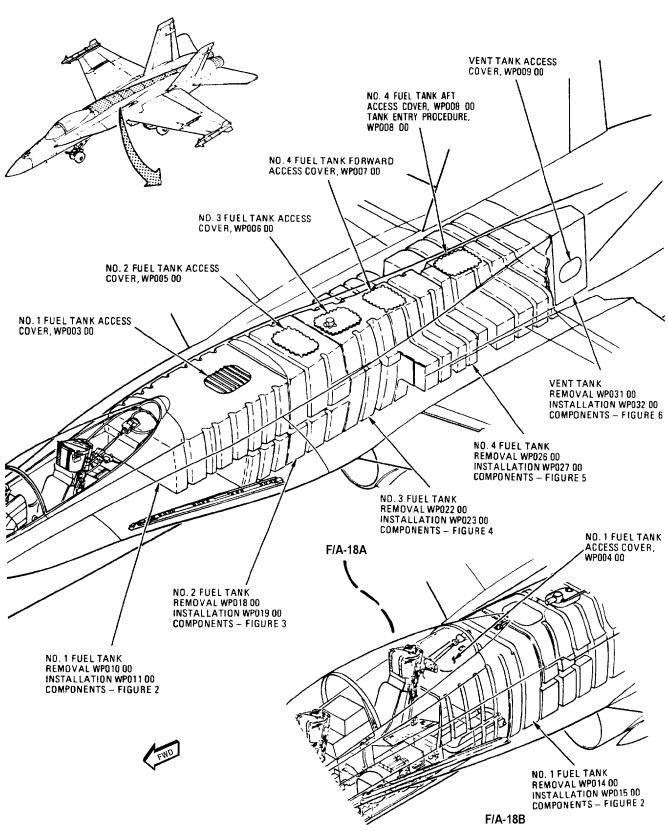


Figure 1. Fuselage Fuel Tanks

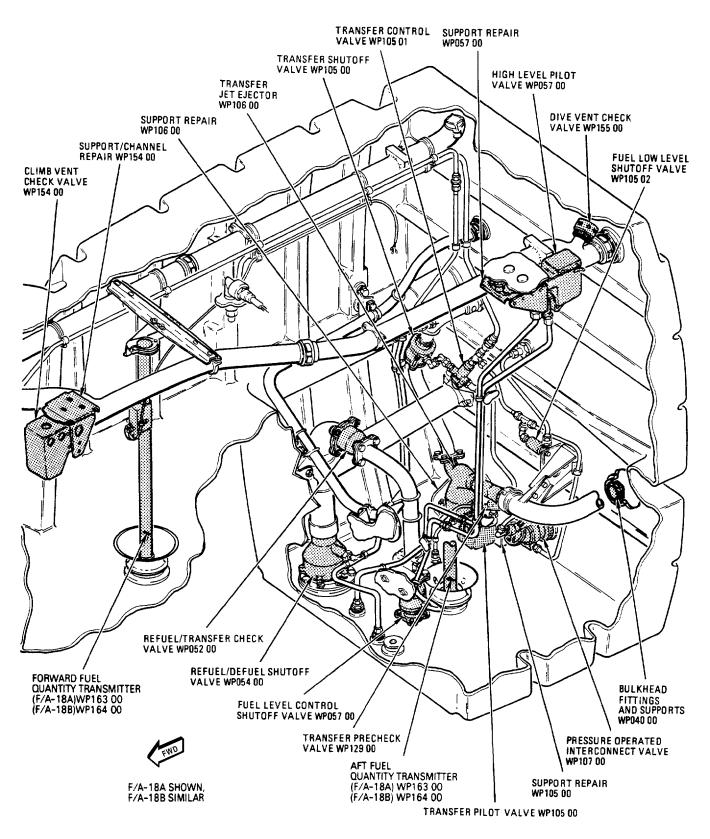
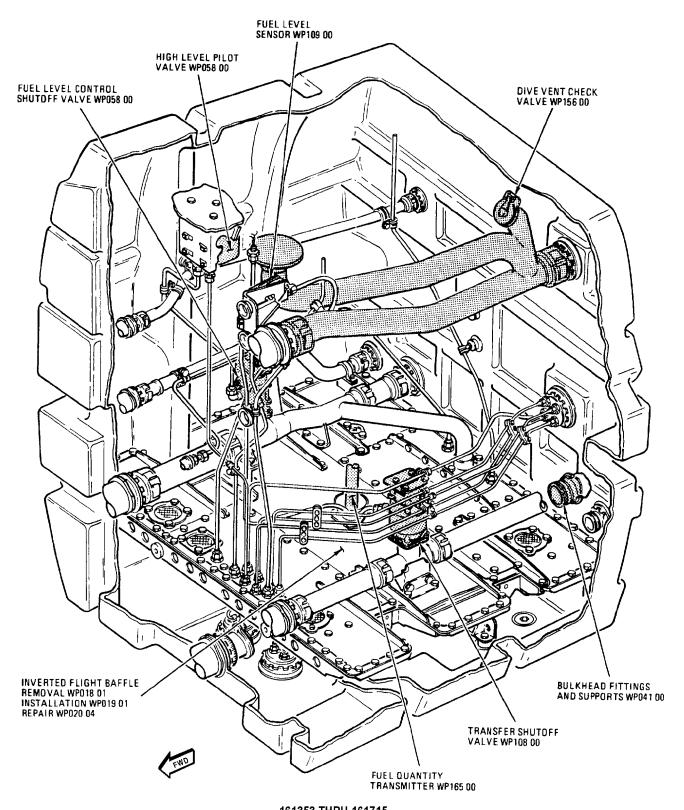
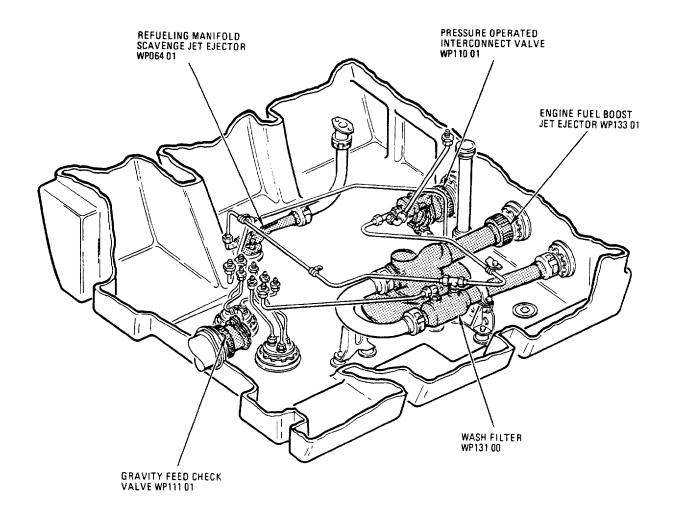


Figure 2. No. 1 Fuel Tank



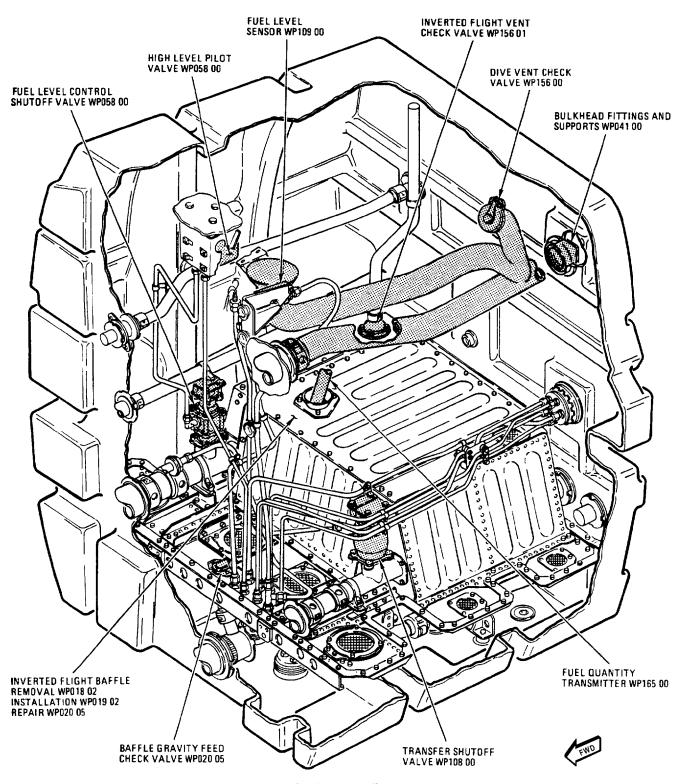
161353 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

Figure 3. No. 2 Fuel Tank (Sheet 1)



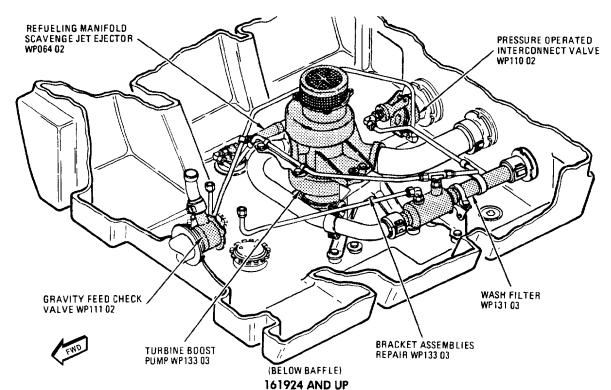


(BELOW BAFFLE) 161353 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

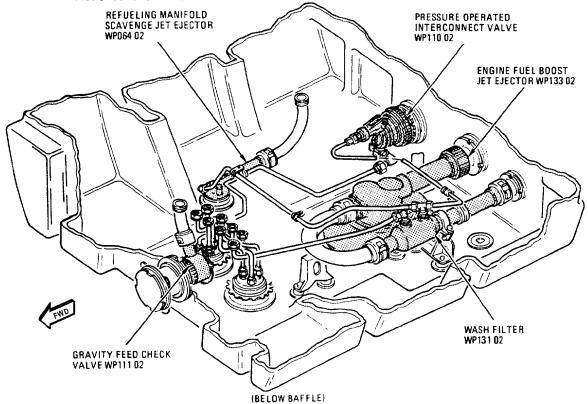


161716 AND UP ALSO 161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53

Figure 3. No. 2 Fuel Tank (Sheet 3)



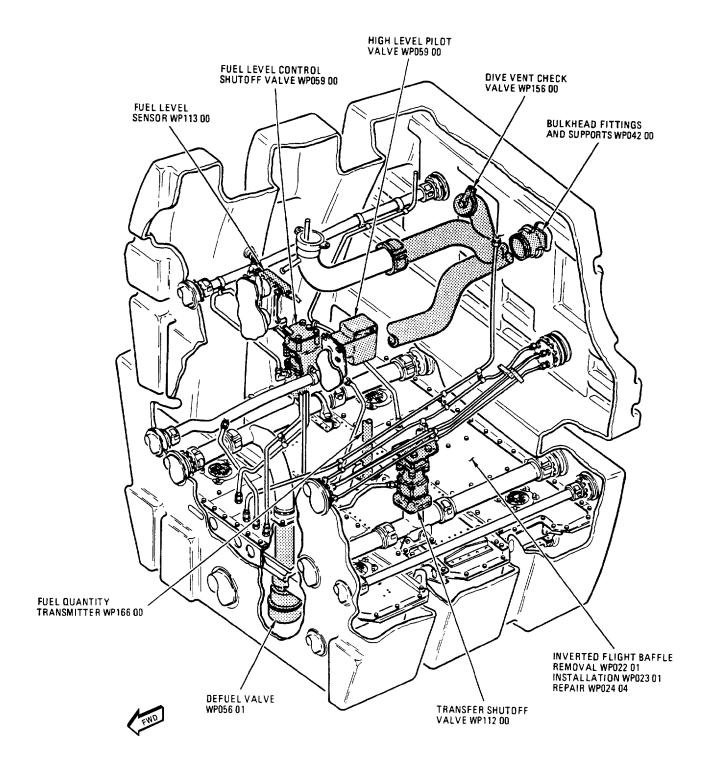
ALSO 161353 THRU 161761 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53



161716 THRU 161761 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

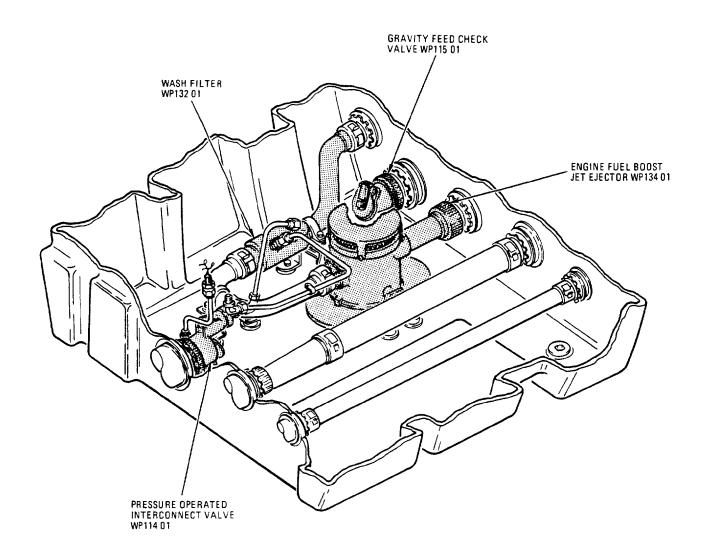
Figure 3. No. 2 Fuel Tank (Sheet 4)





161353 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

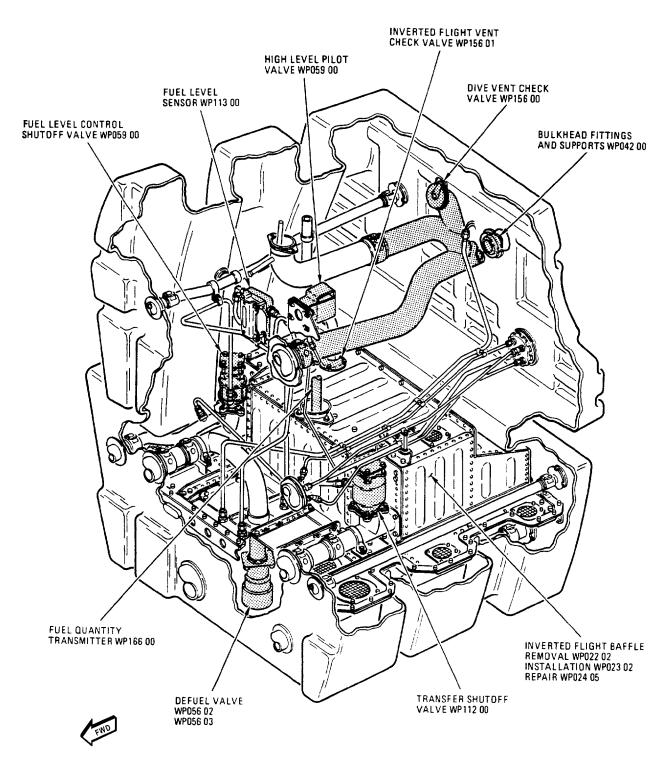
Figure 4. No. 3 Fuel Tank (Sheet 1)





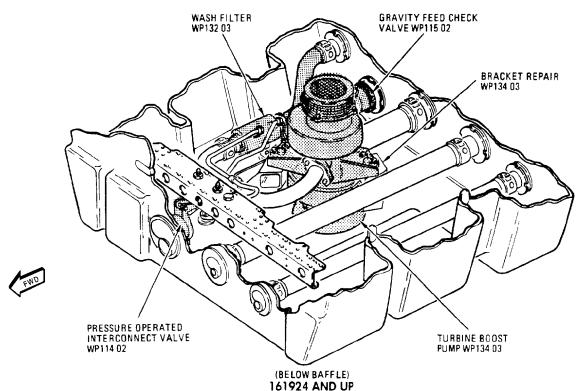
(BELOW BAFFLE)
161353 THRU 161715
BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

Figure 4. No. 3 Fuel Tank (Sheet 2)

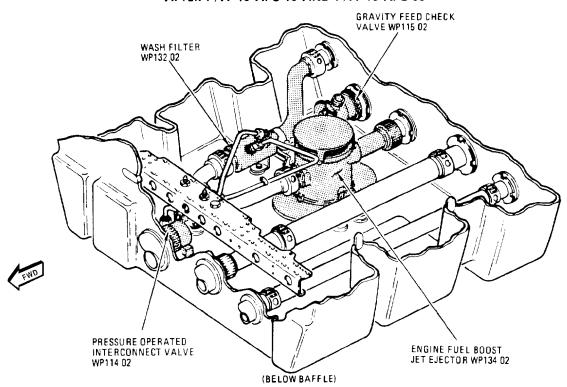


161924 AND UP ALSO 161353 THRU 161761 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53

Figure 4. No. 3 Fuel Tank (Sheet 3)



ALSO 161353 THRU 161761 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53



161716 THRU 161761 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

Figure 4. No. 3 Fuel Tank (Sheet 4)

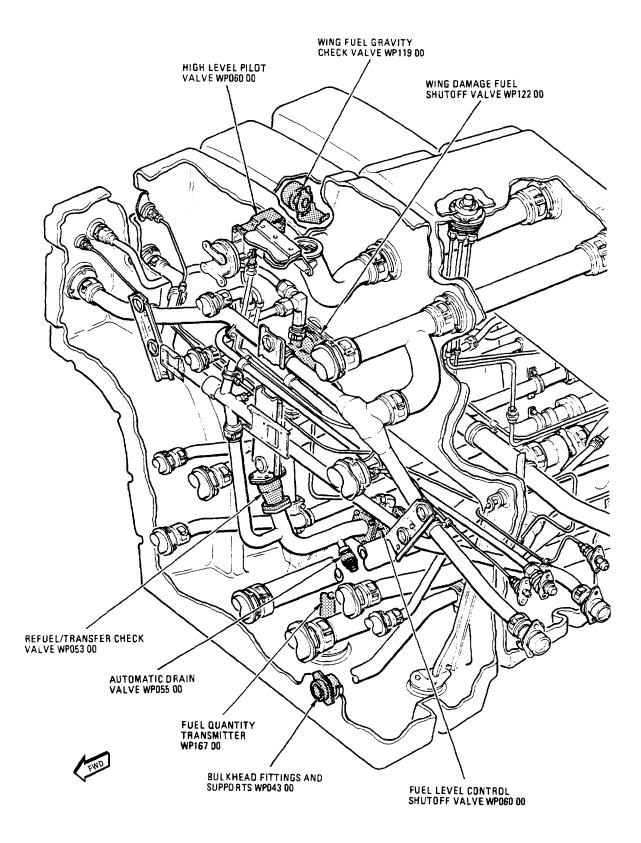


Figure 5. No. 4 Fuel Tank (Sheet 1)

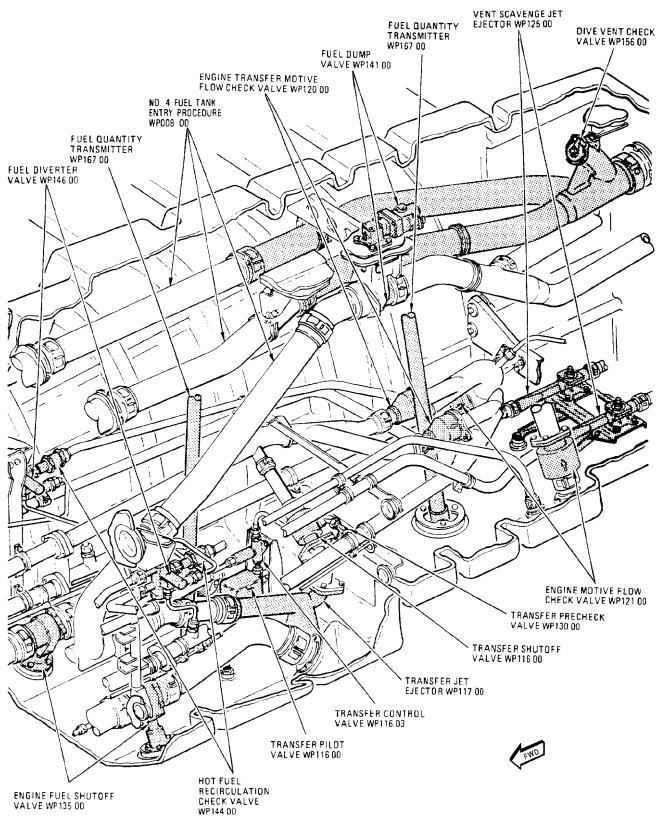


Figure 5. No. 4 Fuel Tank (Sheet 2)

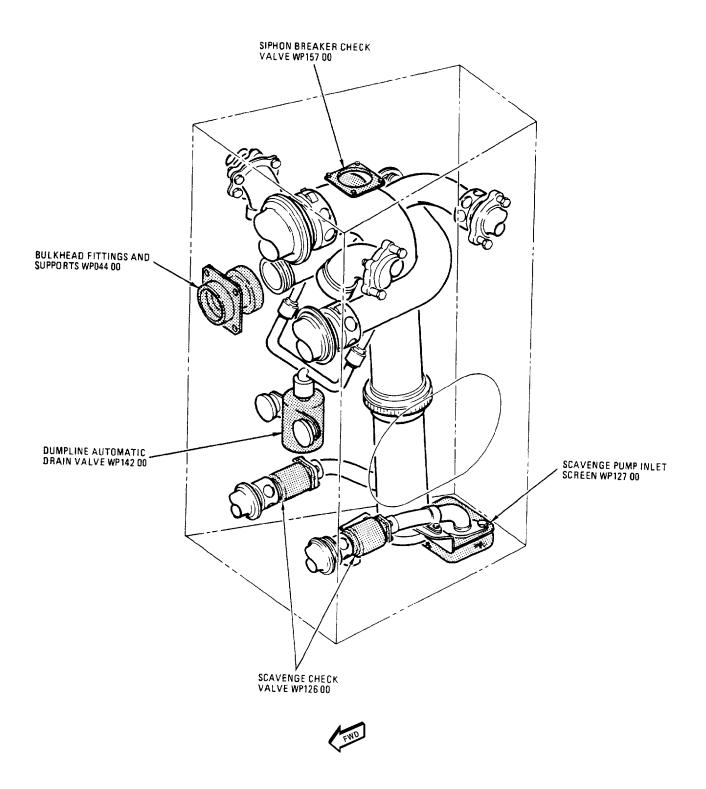
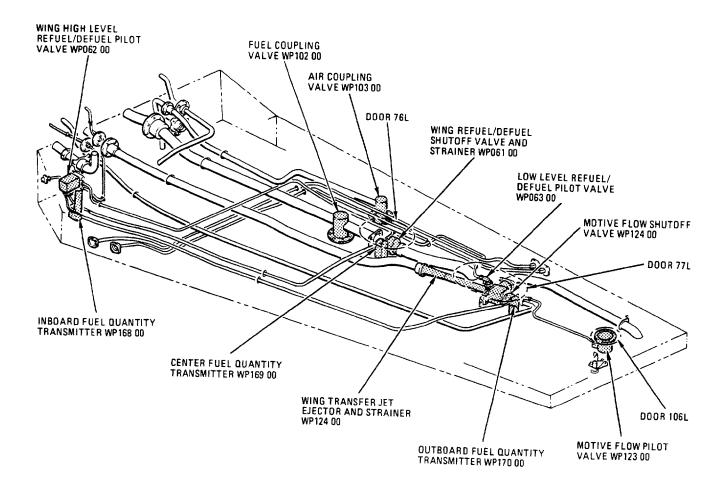


Figure 6. Vent Tank





LEFT WING TANK (LEFT WING TANK SHOWN RIGHT WING TANK SIMILAR)

1 May 2001 Page 1

GRAPHIC INDEX

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

FUEL SYSTEM COMPONENTS (OUTSIDE FUEL TANKS)

Reference Material

Fuel System		2-460-300
Graphic Index (Inside Fuel Tanks)	· · · · · · · · · · · · · · · · · · ·	WP001 01

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Subject	Page No
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Cockpit, Figure 4	6
Door 3, Figure 11	13
Doors 8 and 14R, Figure 12	14
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Doors 33 and 35R, Figure 14	16
Doors 41L and 44R, Figure 20	23
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Doors 53L/R (AMAD BAY), Figure 16	19
Doors 63L/R, Figure 17	20
Doors 64L/R, Figure 18	21
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Inflight Refueling Probe, Figure 1	2
Left MLG Wheelwell, Figure 9	11
Missile Fairing, Figure 6	8
Nose Wheelwell, Figure 8	10
Pylons, Figure 3	4
Right MLG Wheelwell, Figure 10	12
Vertical Stabilizer, Figure 5	7

^{1.} This graphic index provides a cross reference from

a pictorial locator to a work package number.

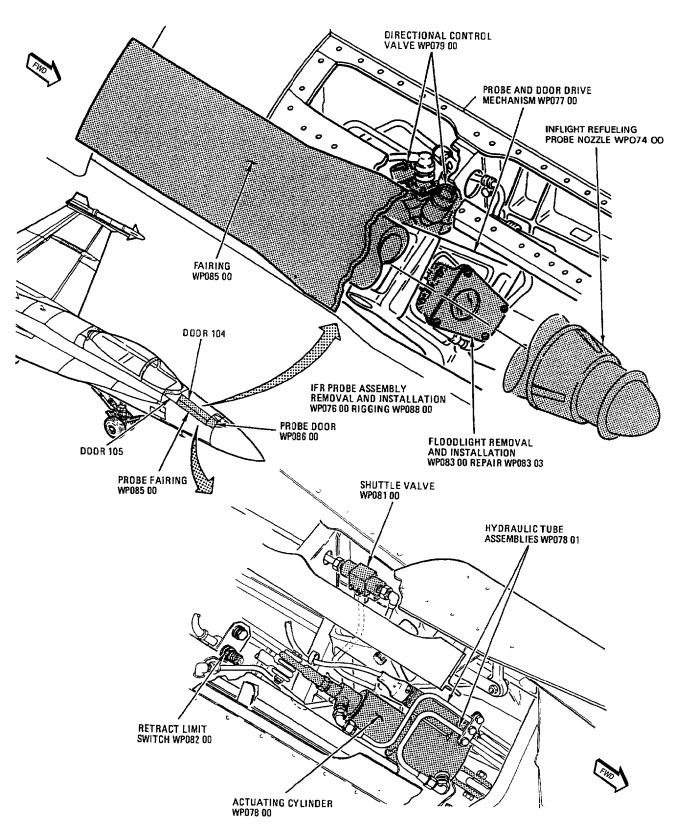


Figure 1. Inflight Refueling Probe

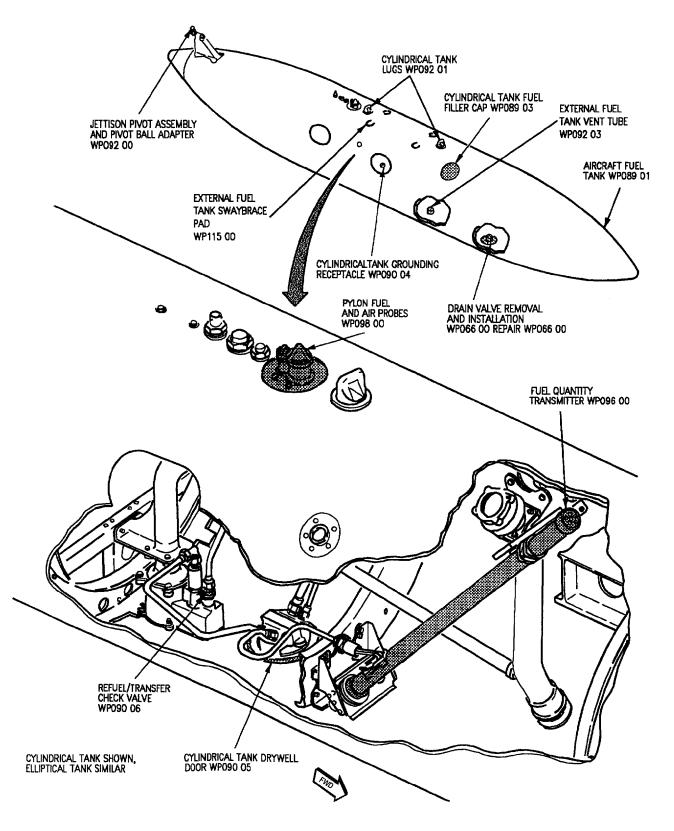


Figure 2. External Fuel Tank



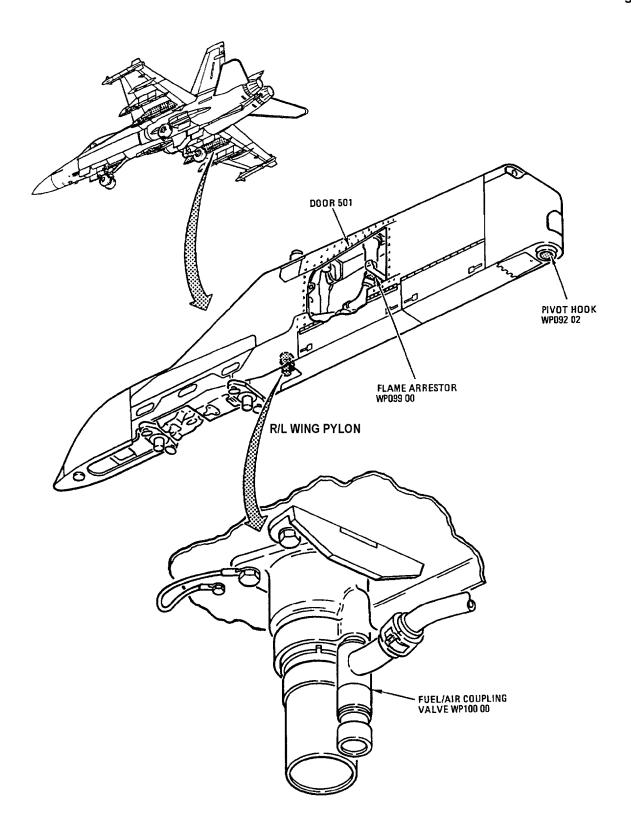


Figure 3. Pylons (Sheet 1)

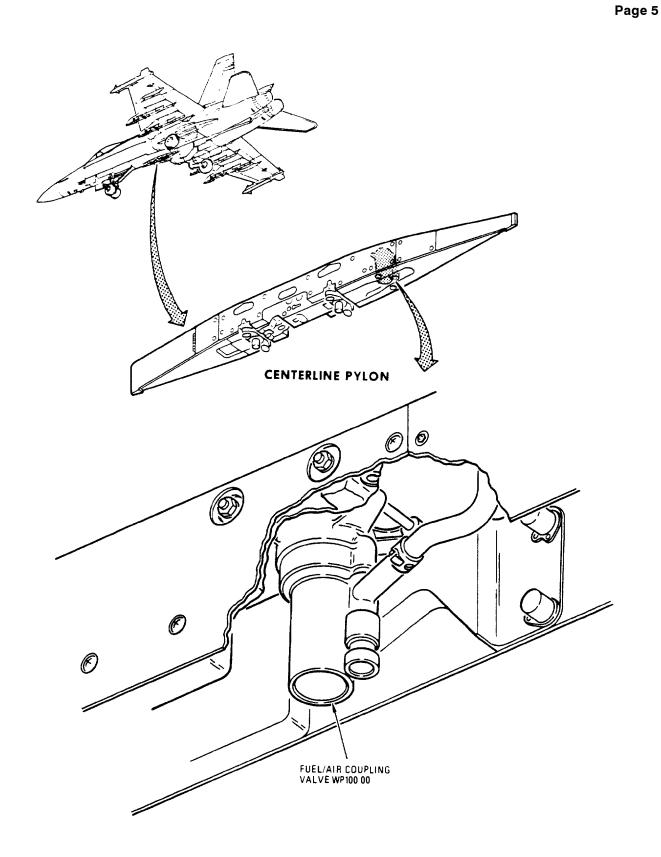
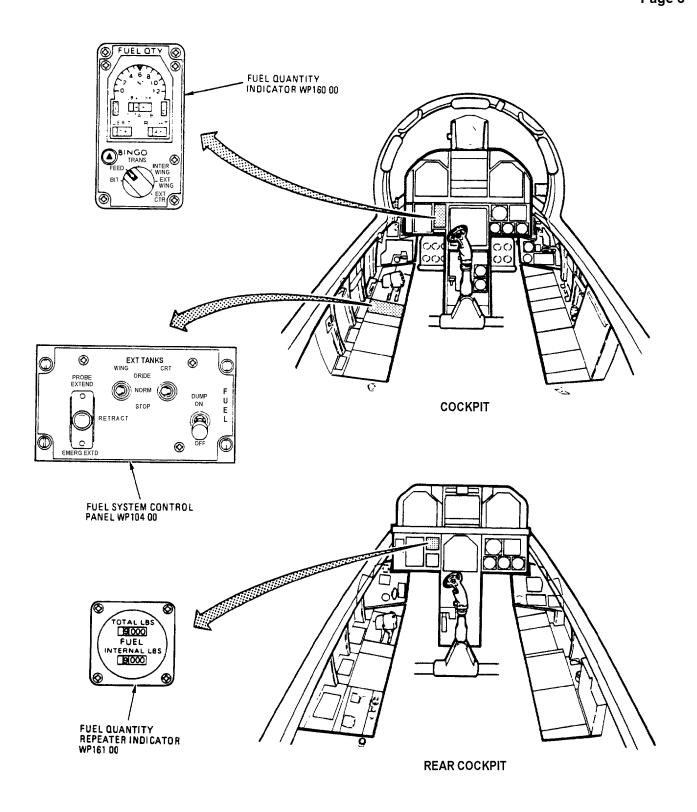


Figure 3. Pylons (Sheet 2)



00102004

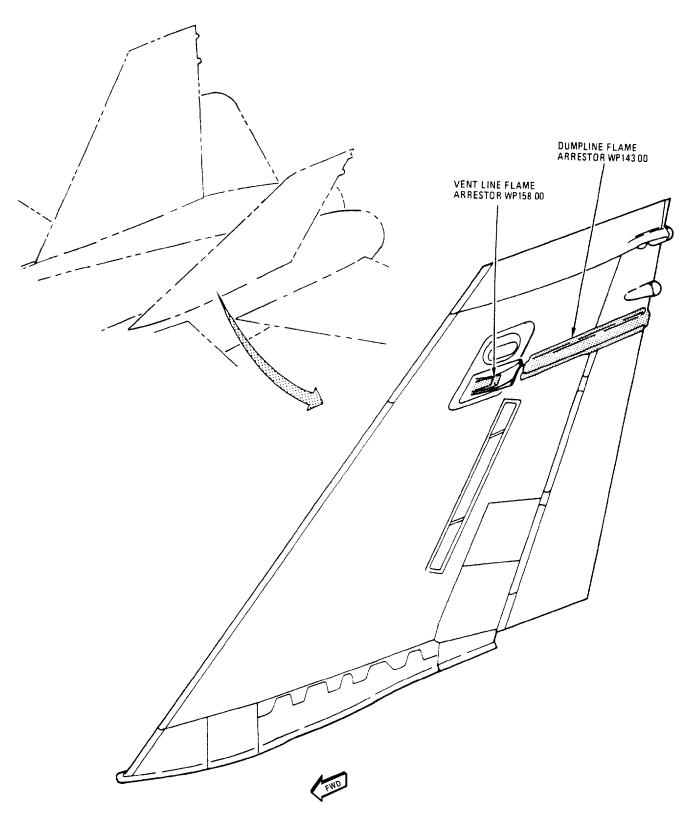


Figure 5. Vertical Stabilizer

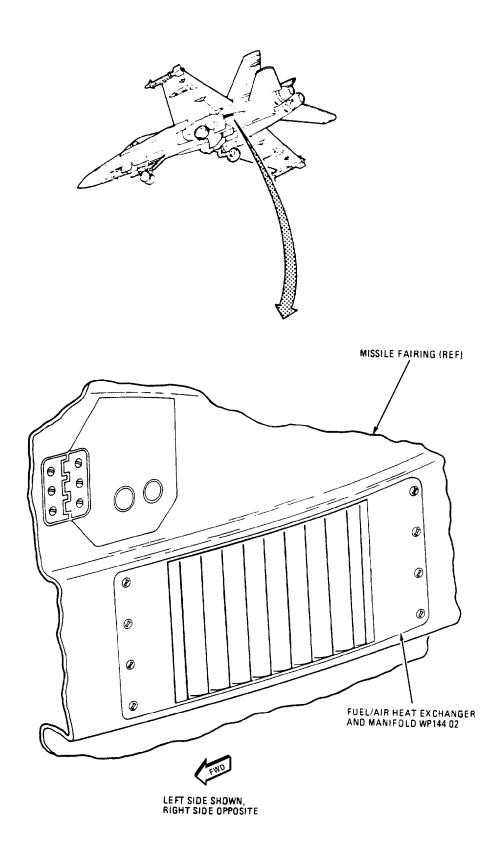
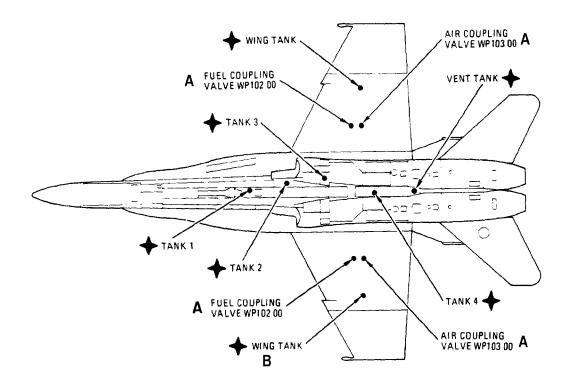


Figure 6. Missile Fairing



BOTTOM VIEW

LEGEND

1.

DRAIN VALVES
REMOVAL AND INSTALLATION WPD66 00
REPAIR WPD66 00

DRAIN VALVE HOUSING
WPD66 01

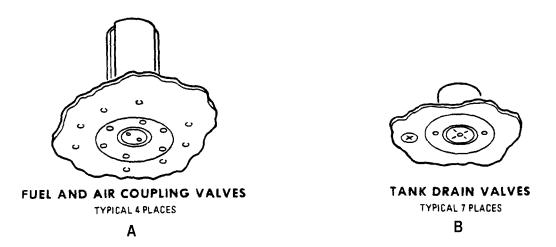


Figure 7. Aircraft Underside

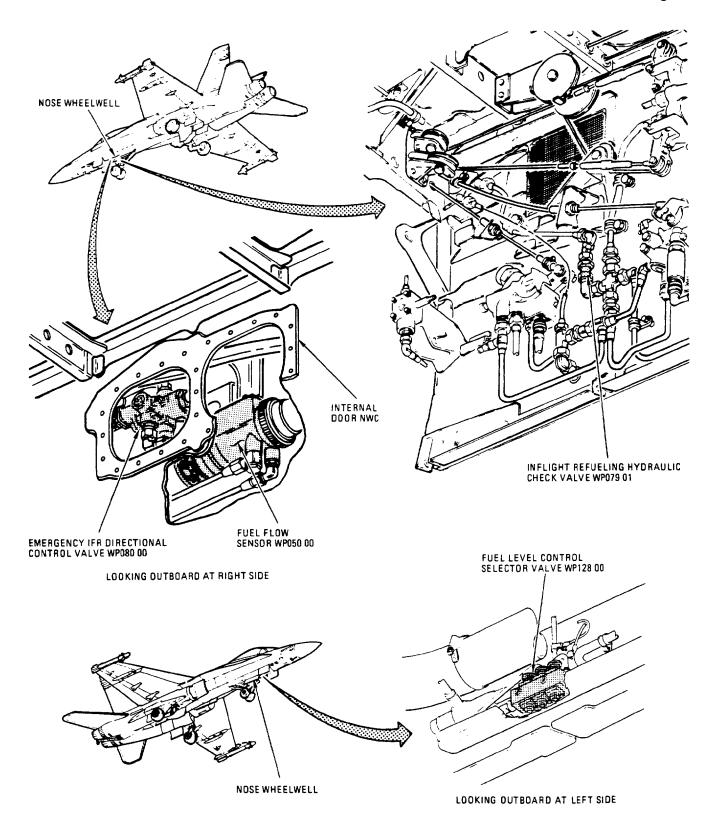


Figure 8. Nose Wheelwell

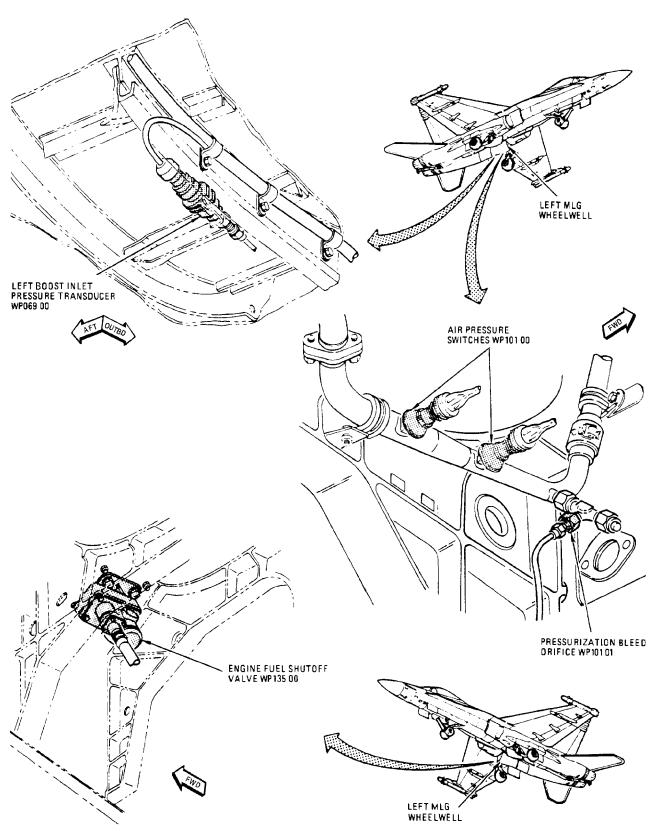


Figure 9. Left MLG Wheelwell

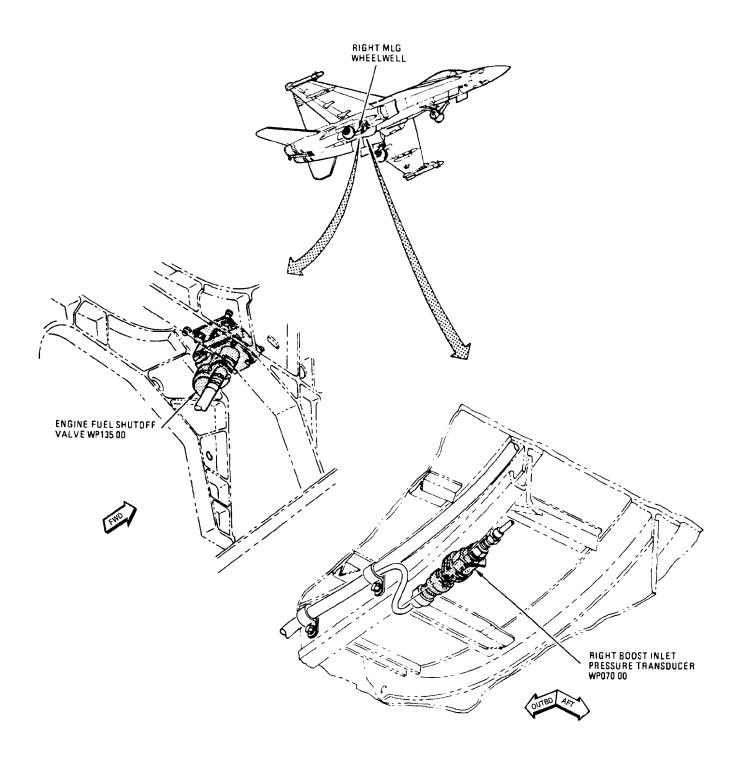
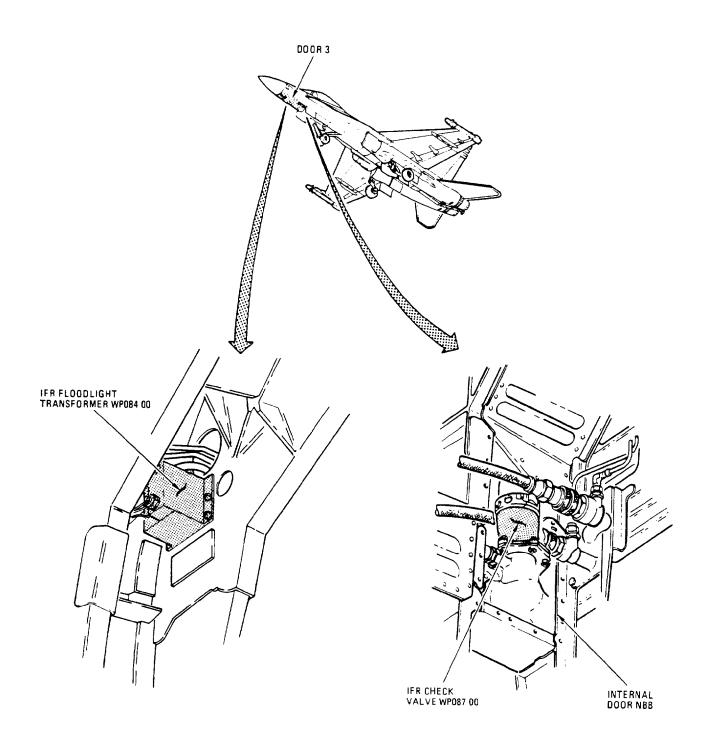


Figure 10. Right MLG Wheelwell



00102011

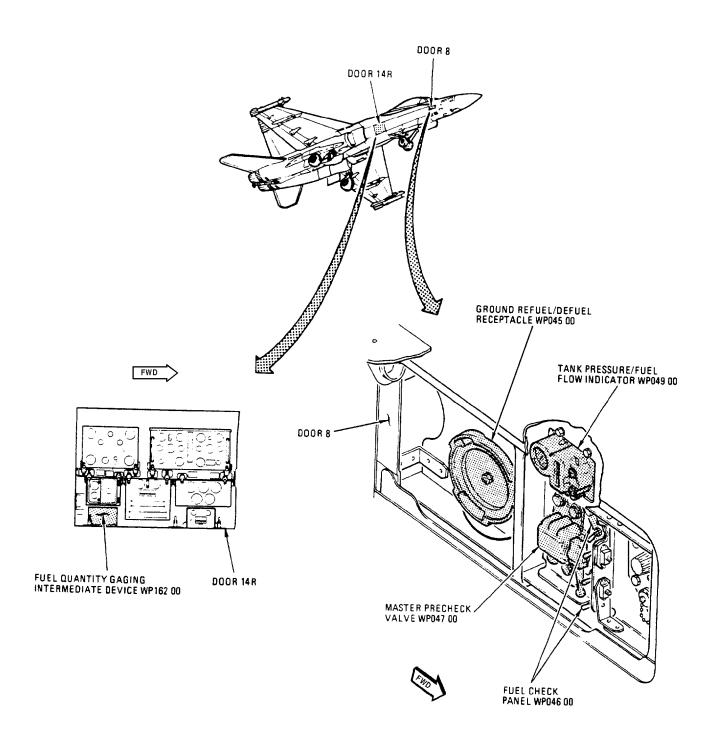
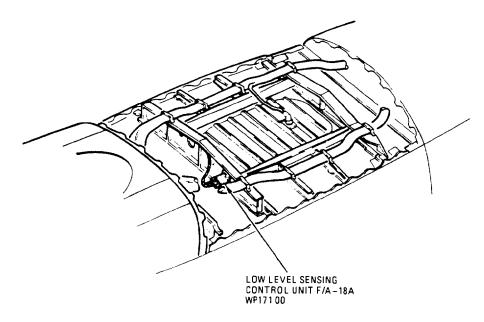


Figure 12. Doors 8 and 14R



DOOR 18

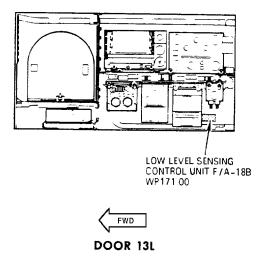


Figure 13. Doors 13L and 18

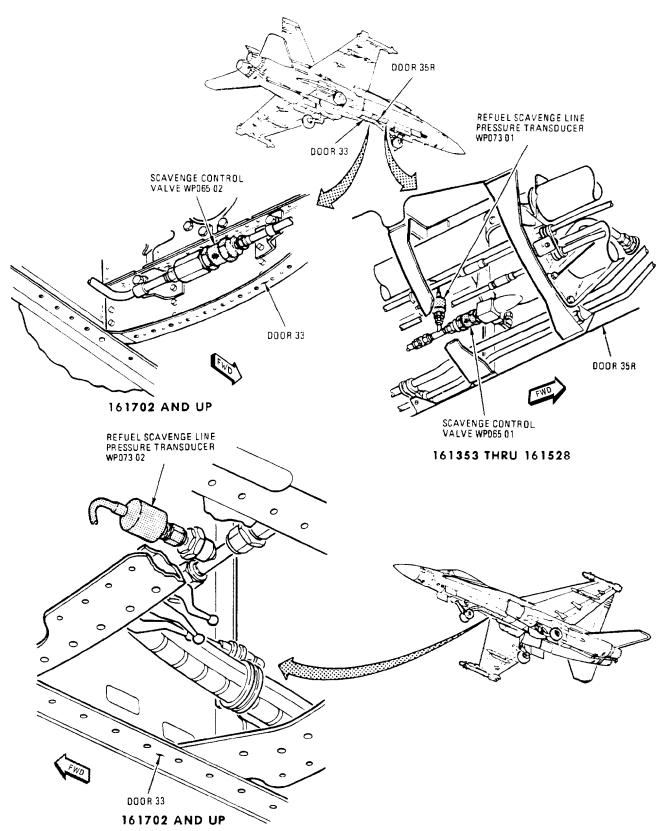


Figure 14. Doors 33 and 35R

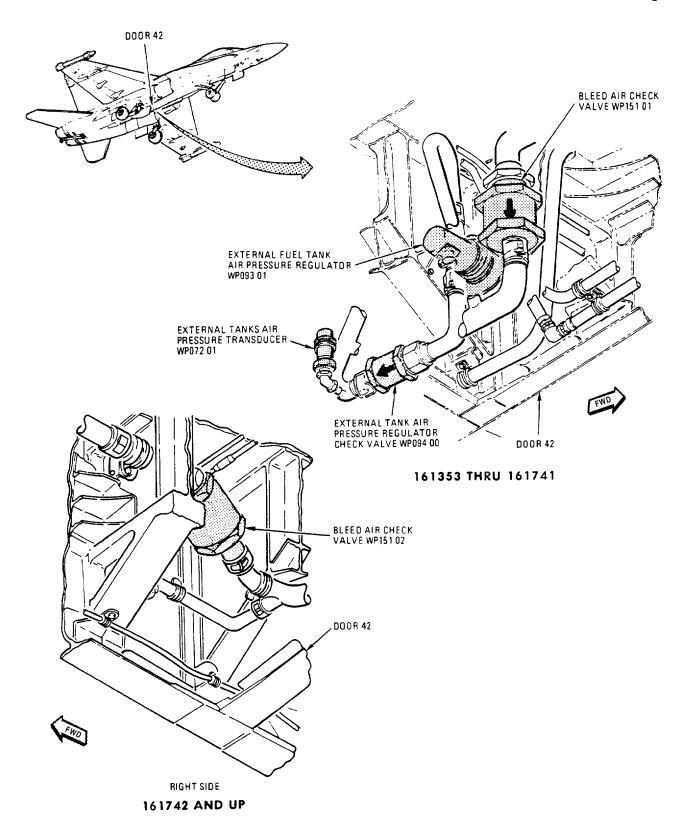


Figure 15. Door 42 (Sheet 1)

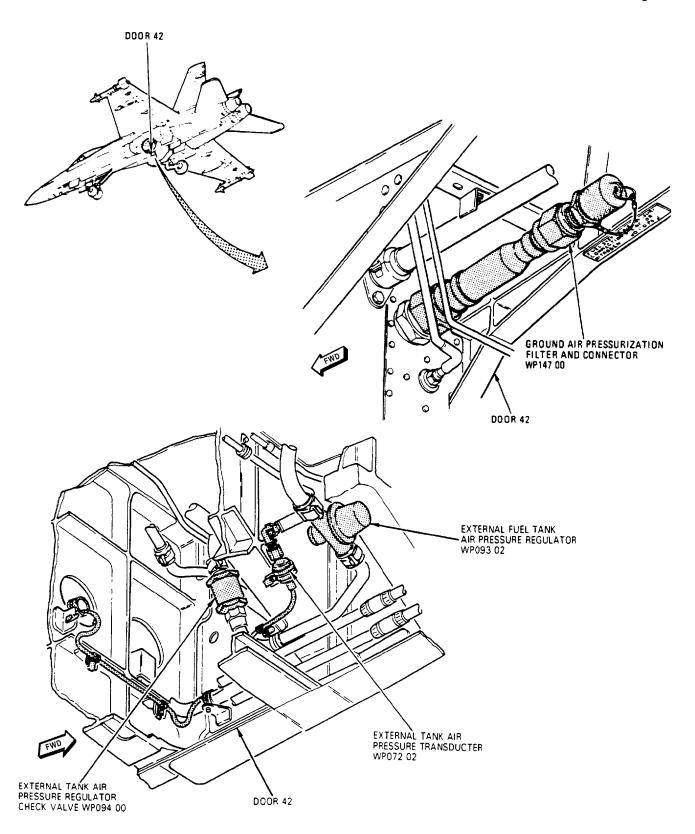


Figure 15. Door 42 (Sheet 2)

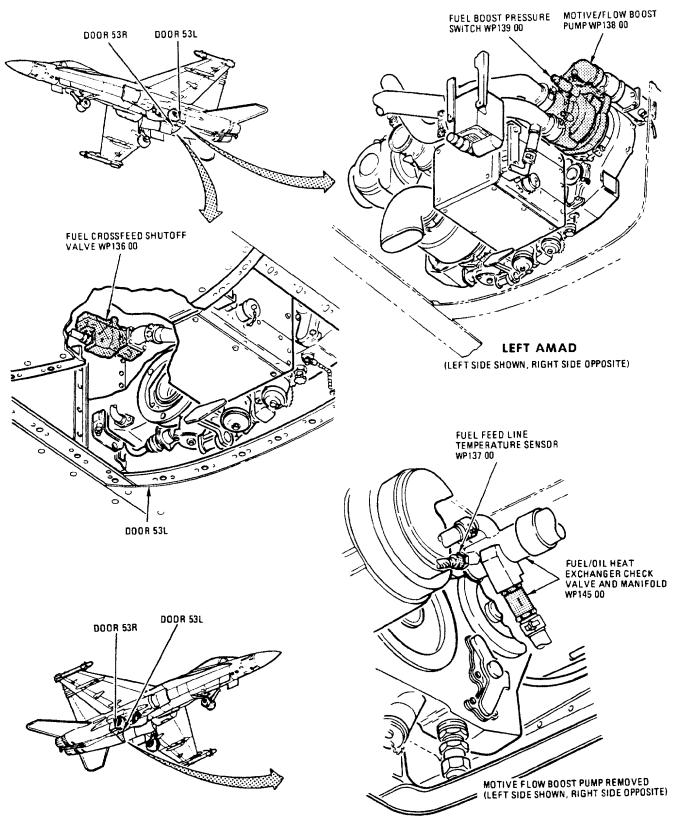


Figure 16. Door 53L/R (AMAD BAY)

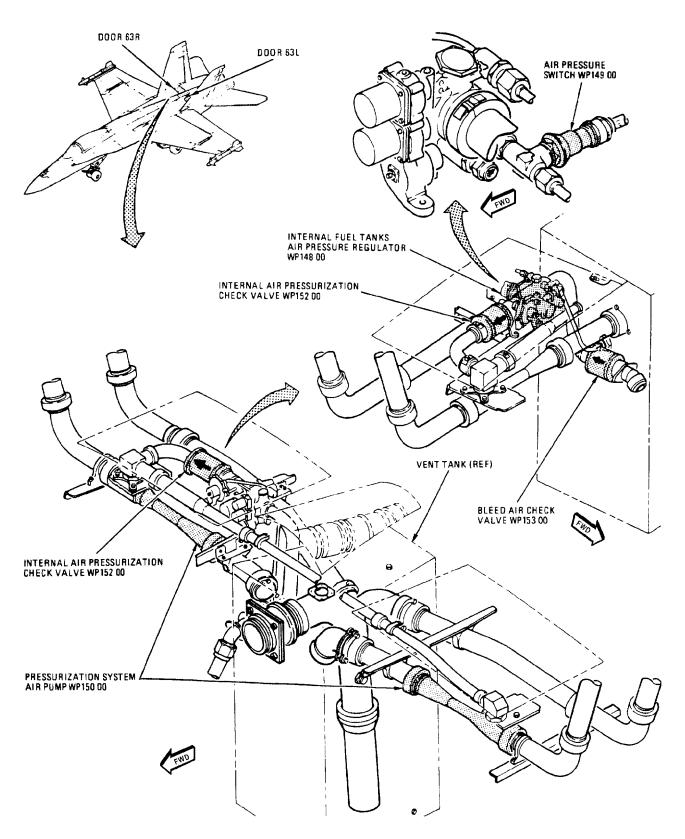
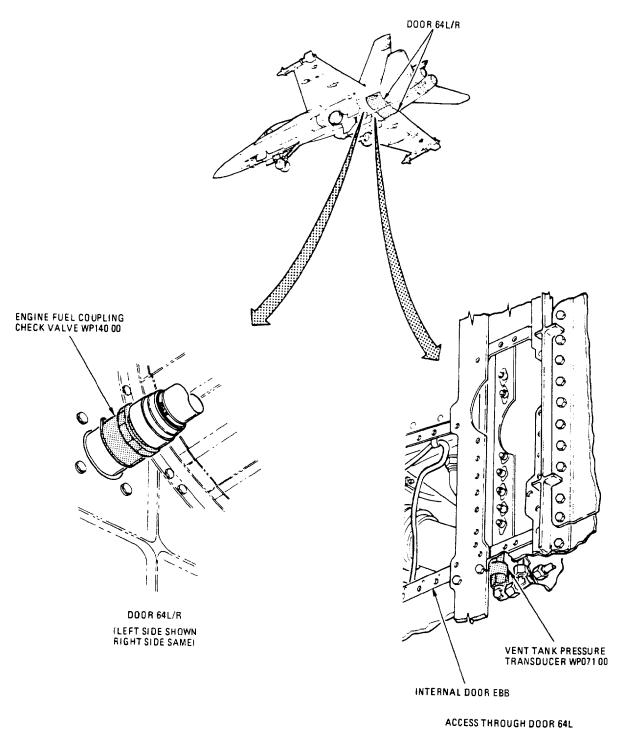


Figure 17. Doors 63L/R



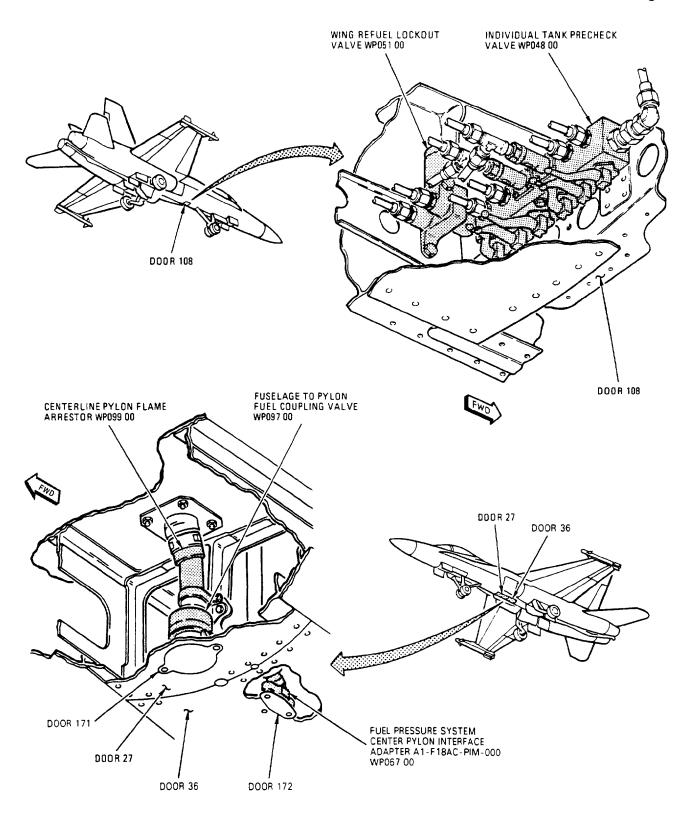
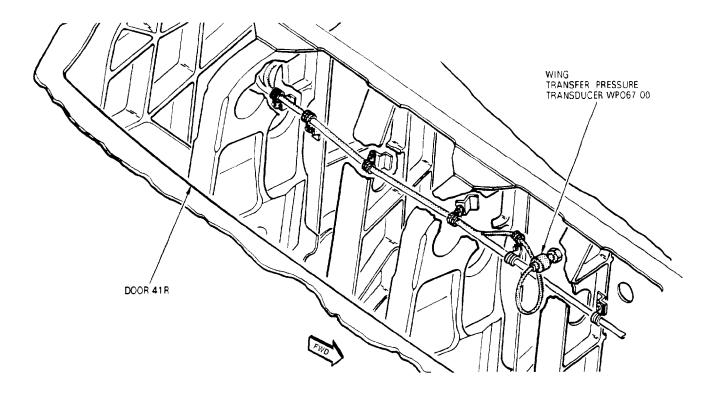


Figure 19. Doors 27 and 108



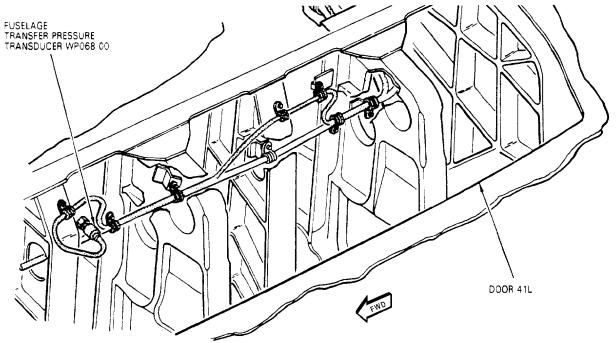


Figure 20. Doors 41L and 44R

INTRODUCTION

ORGANIZATIONAL MAINTENANCE

PRINCIPLES OF OPERATION

FUEL SYSTEM

1. PURPOSE.

2. This manual provides the technician with the data required for removing, cleaning, inspecting, repairing, installing, adjusting, and aligning system components. Illustrated parts breakdown and extreme environmental maintenance data are provided where applicable.

3. REQUISITION AND AUTOMATIC DISTRIBUTION OF NAVAIR TECHNICAL MANUALS.

- 4. Procedures to be used by Naval activities and other Department of Defense activities requiring NAVAIR technical manuals are defined in NAVAIR 00-25-100 and NAVAIRINST 5605.5.4A. To automatically receive future changes and revisions to NAVAIR technical manuals, an activity must be established on the Automatic Distribution Requirements List (ADRL) maintained by the Naval Air Technical Data and Engineering Service Command (NATEC). To become established on the ADRL, notify your activity central technical publications librarian. If your activity does not have a library, you may establish your automatic distribution by contacting the Commanding Officer, NA-TEC, Attn: Distribution, NAS North Island, Bldg. 90, P. O. Box 357031, San Diego, CA 92135-7031. Annual reconfirmation of these requirements is necessary to remain on automatic distribution. Please use your NA-TEC assigned account number whenever referring to automatic distribution requirements.
- 5. If additional or replacement copies of this manual are required with no attendant changes in the ADRL, they may be ordered by submitting a MILSTRIP requisition in accordance with NAVSUP 485 to Routing Identifier Code "NFZ". MILSTRIP requisitions can be submitted through your supply office, Navy message, or SALTS to DAAS (Defense Automated Address System), or through the DAAS or NAVSUP web sites. For assistance with a MILSTRIP requisition, contact the Naval Inventory Control Point (NAVICP) Publica-

tions and Forms Customer Service at DSN 442-2626 or (215) 697-2626, Monday through Friday, 0700 to 1600 Eastern Time.

6. MANUAL ISSUE DATE.

7. The date on the title page is the copy freeze date. No additions, deletions, or changes are made after the manual issue date except last minute safety of flight or required maintenance changes. Data collected after the manual issue date will be included in later changes or revisions of the manual.

8. EFFECTIVITIES.

9. Effectivity notes on manual title pages, work package title pages, and within a work package indicate the aircraft or software program to which the data applies. If no effectivity note appears on the work package title page, the work package has the same effectivity as shown on the manual title page. The effectivity notes may use:

NOTE

Aircraft with model designator F/A-18B are the same type and model as TF/A-18A.

- a Type, model, and series
- b. Bureau number (tail number)
- c. Combination of type, model, series, and bureau numbers
 - d. Part number or serial number
 - e. Technical directive number
 - f. Configuration/identification number
- 10. The table below shows examples of effectivity notes and their meanings:

Effectivity Note Examples

Effectivity Note	Definition
160777 AND UP	Applicable to all F/A-18A, F/A-18B, F/A-18C and F/A-18D for bureau numbers listed.
F/A-18A, F/A-18B	Applicable to all F/A-18A and F/A-18B.
F/A-18C, F/A-18D	Applicable to all F/A-18C and F/A-18D.
F/A-18A	Applicable to all F/A-18A, but not F/A-18B, F/A-18C and F/A-18D.
F/A-18B	Applicable to all F/A-18B, but not F/A-18A, F/A-18C and F/A-18D.
F/A-18C	Applicable to all F/A-18C, but not F/A-18A, F/A-18B and F/A-18D.
F/A-18D	Applicable to all F/A-18D, but not F/A-18A, F/A-18B and F/A-18C.
F/A-18A, F/A-18C	Applicable to all F/A-18A and F/A-18C, but not to F/A-18B and F/A-18D.
F/A-18B, F/A-18D	Applicable to all F/A-18B and F/A-18D, but not to F/A-18A and F/A-18C.
F/A-18A 160775, 160777 THRU 160782	Only applicable to some bureau numbers of F/A-18A. Not applicable to any F/A-18B, even if a F/A-18B bureau number is with in the numbers listed.
F/A-18C 163427, 163430 THRU 163456	Only applicable to some bureau numbers of F/A-18C. Not applicable to any F/A-18D, even if a F/A-18D bureau number is within the numbers listed.
F/A-18B 160784 AND UP	Only applicable to some bureau numbers of F/A-18B. Not applicable to any F/A-18A, even if an F/A-18A bureau number is within the numbers listed.
F/A-18D 163434 THRU 163457	Only applicable to some bureau numbers of F/A-18D. Not applicable to any F/A-18C, even if a F/A-18C bureau number is within the numbers listed.
160775 THRU 160785 BEFORE F/A-18 AFC 772	Applicable to F/A-18A and F/A-18B for bureau numbers listed, before modification by technical directive.
161213 AND UP; ALSO 160775 THRU 160785 AFTER F/A-18 AFC 772	Applicable to aircraft modified during production; also applicable when affected aircraft have been modified by technical directive.
160775 THRU 160785; WHEN NO. 2 CONTROL PANEL P/N XXXX-X IS INSTALLED	Applicable to F/A-18A and F/A-18B for bureau numbers listed if panel P/N XXXX-X is installed. (Configuration before AVC)
161213 AND UP; ALSO 160775 THRU 160785; WHEN NO. 2 CONTROL PANEL P/N XXXX-Y (AVC-102) IS INSTALLED	Applicable to aircraft modified during production; also applicable to aircraft components modified to the production configuration by technical directive. (Configuration after AVC)
P/N MBEU65101-9, MBEU65101-10 & MBEU65105-3	Applicable to assemblies which are interchangeable between aircraft.
ENGINE NO. 215101 THRU 215109	Applicable to assemblies which are interchangeable between aircraft, but configurations can not be identified by part number.
CONFIG/IDENT NUMBER 84A	The CONFIG/IDENT Number is the program load identification number which identifies the software program loaded in specific programmable units. Refer to A1-F18AC-SCM-000 for CONFIG/ID-ENT Number tables.

Page 3

11. TECHNICAL DIRECTIVES.

- 12. Technical directives are documents which direct the accomplishment, and recording of a retrofit configuration or inspection to delivered aircraft, or aircraft components.
- 13. AIRFRAME CHANGE (AFC) AND AIRBORNE TACTICAL SOFTWARE CHANGE (ASC). Technical directives which change configuration of aircraft structure or equipment installation, i.e. AFC, will list aircraft bureau numbers in effectivity notes and show before and after the AFC. Technical directives which change configuration of operational flight programs (OFP), i.e. ASC, will list the OFP CONFIG/IDENT NUMBER in effectivity notes and show the latest two authorized OFP programs. See AFC and ASC effectivity examples in Effectivity Note Example Table.
- 14. **AIRCRAFT COMPONENT CHANGES**. Technical directives which change configuration of aircraft components, i.e. AAC, ACC, AVC, AYC, and PPC will list part numbers in the effectivities. See AVC effectivity examples in Effectivity Note Example table.

15. HISTORICAL RECORD OF APPLICABLE TECHNICAL DIRECTIVES.

16. The technical directives affecting this manual are listed in the Record of Applicable Directives of each affected work package. Because an ASC directs all aircraft be modified within 30 days, ASC's are not listed. When all affected aircraft are modified, the before configuration is removed from the manual, and the technical directive entry is removed from the Record of Applicable Technical Directives and is entered in the Historical Record of Applicable Technical Directives.

17. TECHNICAL PUBLICATIONS DEFI-CIENCY REPORT (TPDR).

18. The TPDR (OPNAV FORM 4790/66) is the form for reporting errors and suspected omissions in the technical manuals. Reporting procedures are in OPNA-VINST 4790.2 SERIES.

19. QUALITY ASSURANCE PROCE-DURES.

20. Procedures or parts of procedures which require quality assurance inspection are identified by the letters (QA) after the applicable steps. When (QA) is assigned to a step or a heading which is immediately followed by substeps, the inspection requirement is

applicable to all substeps. When doing maintenance in any area, a visual inspection of the area will be made for cracks, corrosion and security of component installation before securing the area for flight.

21. ILLUSTRATED PARTS BREAKDOWN.

- 22. Each illustrated parts breakdown (IPB) in this manual has a parts list and illustration for the requisition, storage, authority for use and identification of parts. The illustration is integrated with, and supports, both the maintenance procedure and the parts list within each work package.
- 23. **PART NUMBER COLUMN**. Footnote symbols in the part number column are defined following the last part listed in each parts list (also see converted part numbers, this WP).
- 24. **INDENTION**. The first entry in the description column of each parts list is the figure title. This figure title identifies the parts list with the related maintenance procedure and is shown in the first indent. All parts data required to support the specific maintenance procedure is below the figure title in the second indent.
- 25. **COMMON NAMES**. The official nomenclature in the description column may not be the name commonly used for an item. If different from the official nomenclature, the common name is shown in parentheses in the description column immediately following the official nomenclature.
- 26. **COMMERCIAL AND GOVERNMENT ENTITY CODES**. Entity code or manufacturer's name and address are shown in the Description column in parentheses after the nomenclature for the item. These codes are per the Commercial and Government Entity (CAGE) Handbook H4/H8 Series. No code indicates the item is a government standard part.
- 27. **ATTACHING PARTS**. Attaching parts are identified by (AP) after the nomenclature of the item in the description column. Attaching parts are listed immediately following the part they attach.
- 28. **SPECIAL HANDLING**. Items requiring special handling such as liquid oxygen components, magnetic control items or on-board liquid oxygen generating system (OBOGS) are identified by the acronym LOX for liquid oxygen, MAG for magnetic control items and OXYGEN for on-board liquid oxygen generating system (OBOGS) in the Description column, at the extreme right side.

29. **CONVERTED PART NUMBERS**. Some part numbers appear in the Part Number column which are different than the manufacturer's part number. These are converted part numbers. The unconverted manufacturer's part number is shown in the Description column following the manufacturer's code. Always use the part number in the Part Number column when ordering parts. If an item is not available under the listing in the Part Number column, it may be ordered using the unconverted part number found in the Description column or by using the number found on the part. Examples of special characters as they may appear in the Part Number and Description columns are shown below:

Part Number Column	Description Column
PORM	± (Plus or Minus)
DEG	° (Degree)
E	e (Lower case letter)
2	II (Roman Numeral)
0.001	.001 (Decimal)

- 30. **SUPERSEDED PARTS**. Superseded part numbers have been removed from the Part Number column and placed in the Description column of the superseding part (for example supersedes 74A582090-1003). This indicates that the superseded part is usable if available through salvage, but should not be requisitioned or made.
- 31. **REDESIGNED PARTS**. When the design of a part is changed to the extent that interchangeability is affected, the new part number will state in the description column, Replaces 74AXXXXX-XXXX. If the old part has continued application it will remain in the part number column following the new part. Usable on codes will be used to show usability. In addition the explanatory notes (IP' Use until exhausted IP') for procurable parts and (Replaced by XXXXX) for non-procureable parts will be in the description column of the old part.
- 32. **NEXT HIGHER ASSEMBLY**. Next higher assembly (NHA) data is not shown using indention. Next higher procurable assembly (NHPA) data is shown for part numbers that have a procurable NHA. The NHPA and its assigned Source, Maintenance and Recoverability (SM&R) code are in parentheses as the last entry in the Description column. Requisition the NHPA when the part listed in the Part Number column is not avail-

able from supply. The components of assemblies that require disassembly during removal from aircraft, are footnoted in the part number column.

33. UNITS PER ASSEMBLY COLUMN

(UPA). This column lists the total number of each part required per assembly or subassembly and are not necessarily the total number used in the end item of equipment. The letters AR (As Required) are used for items such as shims when the requirement may vary. USABLE-ON CODES. Applicable usable-on codes are identified on the final sheet of each parts list. No entry in the Use On column indicates parts are applicable to all configurations supported by this parts list.

- 34. ALTERNATE OR EQUIVALENT PARTS. An asterisk (*), in the Use On column, identifies alternate parts or equivalent parts that are interchangeable. When a letter code is followed by an asterisk in the Use On column, only the parts with the same letter code are interchangeable. An alternate part may be used when preferred part is not available. The asterisk is omitted for the preferred part(s). Equivalent parts are fully interchangeable. No equivalent part is preferred over another. All equivalent parts are identified by asterisks.
- 35. SOURCE, MAINTENANCE AND RECOVER-ABILITY (SM&R) CODE COLUMN. The codes used in this column are assigned per NAVAIRINST 4423.3 SERIES and NAVSUPINST 4423.14 SERIES which contain definitions. A dash (-) is shown in the SM&R code column when no code has been assigned. The Aviation Supply Office P2300 series publication is to be used for the most current SM&R Code assignment information if doubt exists as to the validity of any SM&R Code listed in an IPB. Refer to figure 1 for SM&R code explanations.
- 36. PARTS LIST INDEX MANUAL, A1-F18AC-IPB-450. This manual has a numerical index of part numbers and a reference designation index for use with aircraft organizational maintenance manuals. When reference designations or part numbers are known, the index locates specific maintenance instructions and parts data.
- 37. NAVY (AN) STANDARD/COMMON NAME NO-MENCLATURE. When an item has both Navy (AN) standard and common name nomenclature assigned, the common name nomenclature will be used in text and on illustrations. Full Navy (AN) standard nomenclature will be used in the Illustrated Parts Breakdown (IPB).

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38. DIAGRAMS.

39. Simplified schematics and block diagrams are in this manual. System schematics are in A1-F18A()-()-500 series manuals.

40. NAVY (AN) STANDARD/COMMON NAME NOMENCLATURE.

41. When an item has both Navy (AN) standard and common name nomenclature assigned, the common name nomenclature will be used in text and on illustrations. Full Navy (AN) standard nomenclature will be used in the Illustrated Parts Breakdown (IPB).

Historical Record of Applicable Technical Directives

None

SOURCE (D012)				MAINTENANCE				
	300HGE (D012)			USE (D013A)		REPAIR (D013B)		
	1st POSITION		2nd POSITION		3rd POSITION		4th POSITION	
		A REPLENISH		REPLACE OR				
		В	INSURANCE	0	USE AT ORGANIZATIONAL	Z	NO REPAIR (CONSUMABLE)	
		С	CURE-DATED		LEVEL			
Р	PROCURE	D	INITIAL	F	REPLACE OR		RECONDITION BY ADJUSTMENT.	
		Е	END ITEM GSE/STOCKED	Н	USE AT IMA LEVEL	В	CALIBRATION, LUBRICATION,	
		F	GSE/NOT STOCKED	G	IIVIA EL VEL		PLATING, ETC.	
	REPAIR KIT COMPONENT	F	ORG/IMA		REPLACE OR USE AT		REPAIR AT ORGANIZATIONAL LEVEL	
K		D	DEPOT	L		0		
		В	BOTH KITS		SPECIALIZED IMA			
М	MANUEACTURE	0	ORGANIZATIONAL			F		
IVI	MANUFACTURE	F H G	AFLOAT (INTERMEDIATE) ASHORE (INTERMEDIATE)	_	REPLACE OR USE	Н	REPAIR AT IMA LEVEL	
Α	ASSEMBLE		BOTH (INTERMEDIATE) DEPOT	D	AT DEPOT	G		
		Α	REQUEST NHA			L	REPAIR AT SPECIALIZED IMA	
X	MISC	В	OBTAIN FROM SALVAGE OR ONE TIME BUY	7	_ NOT REQUIRED	D	REPAIR AT DEPOT	
		C DIAGRAMS-SCHEMATICS, INSTALL DWGS		Z	THIS APPLICATION		OR COMMERCIAL	

RECOVERABILITY (D013C) SERVICE OPTION (D012A)			SERVICE OPTION (D012A)		
5th POSITION			6th POSITION		
0	REPAIRABLE ITEM. CONDEMN AT ORGANIZATIONAL LEVEL.	1 2 3	APPLIES TO ENGINES ONLY. IDENTIFIES THE HIGHEST (1) TO LOWEST (3) LEVEL OF MAINTENANCE WHICH CAN REPLACE (3rd POSITION OF SM&R CODE) THE ITEM.		
F H G	REPAIRABLE ITEM. CONDEMN AT INTERMEDIATE LEVEL INDICATED.	4 5 7	SAME AS ABOVE. IN ADDITION, ITEM IS A FLR WITH A UNIT COST OF OVER \$5000. THESE CODES ARE NO LONGER ASSIGNED TO NEW, NON-FAMILY RELATED ITEMS.		
L	REPAIRABLE ITEM. L CONDEMN AT SPECIALIZED INTERMEDIATE LEVEL.		NORMALLY PROCURED AND STOCK NUMBERED BUT ORGANIC CAPABILITY EXISTS FOR EMERGENCY STOP-GAP REQUIREMENTS.		
			END-TO-END TEST REQUIRED BY IMA PRIOR TO BCM ACTION.		
D	REPAIRABLE ITEM.	J	FLR OR CONSUMABLE ITEM. CHANGE 5th POSITION SM&R CODE TO "D" UNDER PICA/SICA. NAVAIR APPROVAL REQUIRED.		
D	CONDEMN AT DEPOT OR CONTRACTOR FACILITY.	8	SAME AS "J" ABOVE EXCEPT USED FOR ENGINES ONLY. APPLIES TO 2nd LEVEL OF IMA.		
	A SPECIAL HANDLING REQUIRED. CONTACT ITEM MANAGER FOR DISPOSAL INSTRUCTIONS		SAME AS "J" ABOVE EXCEPT USED FOR ENGINES ONLY. APPLIES TO 3rd LEVEL OF IMA.		
A			ITEM IS A FLR WITH A UNIT COST OF OVER \$5000. THESE CODES ARE NO LONGER ASSIGNED TO NEW, NON-FAMILY RELATED ITEMS.		
	NON DEDAIDADI E ITEM	N	ASSIGNED TO XB SOURCE CODE AND INDICATES ITEM IS PROCURED LOCALLY. NOT STOCKED IN THE SUPPLY SYSTEM.		
Z	NON-REPAIRABLE ITEM. CONDEMN AT LEVEL IN 3rd POSITION.	Т	ASSIGNED TO TRAINING DEVICES WITH SOURCE CODE OF "PD". INDICATES ITEM IS NOT A PROCURABLE SPARE. NSN IS ASSIGNED ONLY TO PERMIT VISIBILITY OF REPAIR PART RELATIONSHIP.		

Figure 1. SM&R Code Explanation

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ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB NO. 1 FUEL TANK ACCESS COVER

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18A

Reference Material

Line Maintenance Procedures	A1-F18AC-LMM-000
Line Maintenance Access Doors	A1-F18AC-LMM-010
Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
Fuel Tank Access Fitting Floating Nut Repair	WP035 00
No 1. Fuel Tank Fuel Quantity Transmitters	WP163 00
Structural Repair - General Information	A1-F18AC-SRM-200
Plane Captain Manual	A1-F18AC-PCM-000

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Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 39	-	No. 1 Fuel Tank Interconnect Valve Replacement and Fuel Sequencing Modification (ECP MDA-F/A-18-00072C1)	15 Oct 86	-

Support Equipment Required

Part Number or Type Designation

Nomenclature

- Torque Wrench, 0 to 120 Inch-Pounds

Materials Required

Specification or Part Number

Nomenclature

VV-P-236 (CAGE 81348) Petrolatum, Technical

1. **REMOVAL**.

- a. Defuel aircraft (A1-F18AC-PCM-000).
- b. Observe applicable fuel tank maintenance precautions (WP013 00).
 - c. Remove door 18 (A1-F18AC-LMM-010).



To prevent damage to Aft Waveguide Segment, do not come in contact with, or apply pressure to, Aft Waveguide Segment. Be careful when on dorsal deck not to damage Aft Waveguide Segment.

To prevent damage to aircraft components

remove fuel quantity transmitter before removing access cover.

Use Caution when handling access cover. Damage to Fuel Quantity Transmitter Seal and/or Tank Access Cover Seal will require replacement of access cover.

- d. Remove no. 1 fuel tank aft fuel quantity transmitter (WP163 00).
- e. Remove access cover (1, figure 1) and attaching parts.
- f. If fuel tank access fitting floating nuts are damaged, repair per WP035 00.

2. INSTALLATION.



To prevent damage to Aft Waveguide Segment, do not come in contact with, or apply pressure to, Aft Waveguide Segment. Be careful when on dorsal deck not to damage Aft Waveguide Segment.

a. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01). (QA)

NOTE

For description of overcenter latch type couplings, see WP013 00.

- b. Inspect all accessible overcenter latch type couplings (W901F, W904F, W901K and W904K) before installing access cover per substeps below: (QA)
- (1) Make sure spring lock is securely locked in detent position to prevent rotation of the latch handle to open.
- (2) Lightly apply lifting pressure to latch handle. Latch should remain closed.
- (3) Make sure coupling holding tube or component is secure.
- c. Remove protective pad and any foreign objects. (QA)





Technical Petrolatum, VV-P-236

1



Use caution when handling access cover. Damage to Fuel Quantity Transmitter Seal and/or Tank Access Cover Seal will require replacement of access cover.

- d. Lubricate access cover seal with petrolatum.
- e. Prepare mating surfaces of access cover (1, figure 1) and canopy sill deck for electrical bonding (A1-F18AC-LMM-000).

NOTE

On 161520 AND UP, make sure wire bundle with screws are positioned through access cover to allow attachment to no. 1 fuel tank fuel quantity transmitter per WP163 00.

f. Install and torque access cover (1, detail A) with attaching parts per substeps below: (QA)

- (1) Inspect access cover (1) bolts and fuel tank access fitting floating nuts for burrs, damaged threads or foreign material which could cause inaccurate torque readings. Repair damaged access fitting floating nuts per WP035 00.
- (2) Lightly snug up all bolts by hand or wrench as required.
- (3) Torque all bolts to 40 inch-pounds in sequence per figure 2.
- (4) Final torque all bolts 50 to 70 inch-pounds in sequence per figure 2.
- g. Install no. 1 fuel tank aft fuel quantity transmitter (WP163 00). Do not install door 18.

NOTE

Because additional fuel system testing after installation of access cover could require a second cover removal, installation and leak test, the leak test should be done after all other fuel system tests are complete.

- h. Do access cover leak test per paragraph 3. If other fuel system tests are required after installation of access cover, do access cover leak test last.
- i. To prevent corrosion on dorsal deck access cover mating surface, fillet seal periphery of access cover to dorsal deck (A1-F18AC-SRM-200).
 - j. Install door 18 (A1-F18AC-LMM-010).

3. ACCESS COVER LEAK TEST. (QA)

Support Equipment Required

None

Materials Required

Specification or Part Number CCC-C-440, Type 1,Class 1 (CAGE 81348) MIL-L-25567, Type 1 (CAGE 81349) Leak Test Compound

4. PROCEDURE.

NOTE

Because additional fuel system testing after installation of access cover could require a second cover removal, installation and leak test, the leak test should be done after all other fuel system tests are complete.

- a. Refuel aircraft (A1-F18AC-PCM-000).
- b. Hook up proximity switch control unit (A1-F18AC-LMM-000).
- c. Set switches on proximity switch control unit as listed below:
 - (1) LEFT GEAR WT OFF WHL
 - (2) NOSE GEAR NORM
 - (3) RIGHT GEAR NORM

d. Operate APU in ECS test mode (A1-F18AC-LMM-000).





Leak Test Compound, MIL-L-25567, Type 1

2

- e. Apply leak test compound to access cover bolts and between access cover (1) and dorsal deck. Inspect for leaks.
 - f. Shut down APU (A1-F18AC-LMM-000).
- g. Remove proximity control unit (A1-F18AC-LMM-000).
- h. Wipe leak test compound from access cover with clean cheesecloth.

5. ILLUSTRATED PARTS BREAKDOWN.

6. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

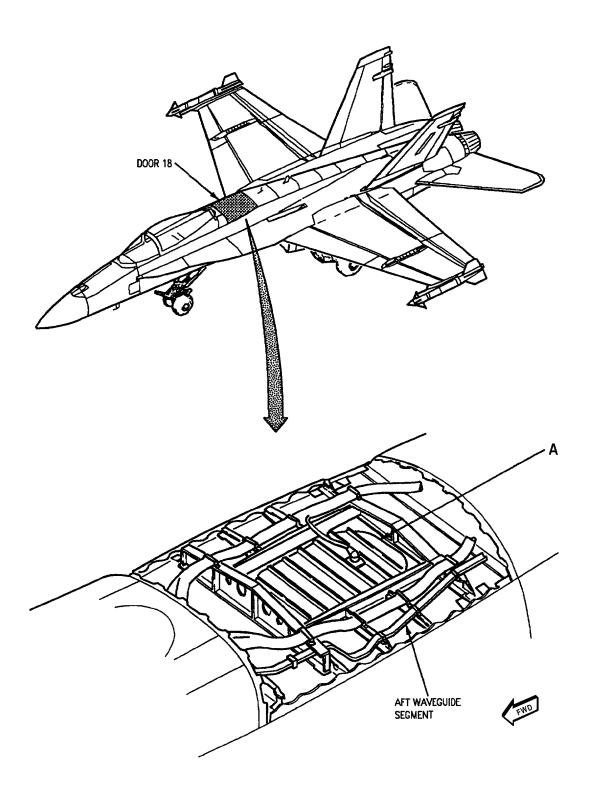
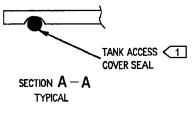
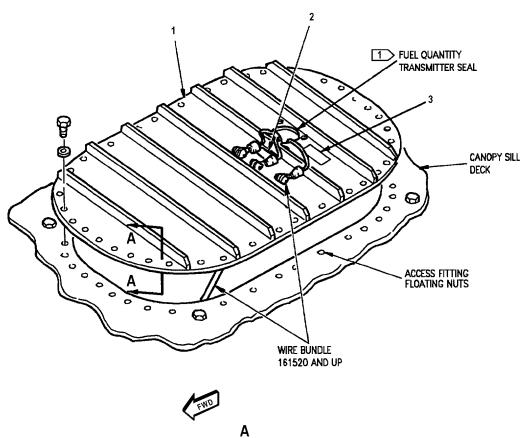


Figure 1. No. 1 Fuel Tank Access Cover (F/A-18A) (Sheet 1)

00300101



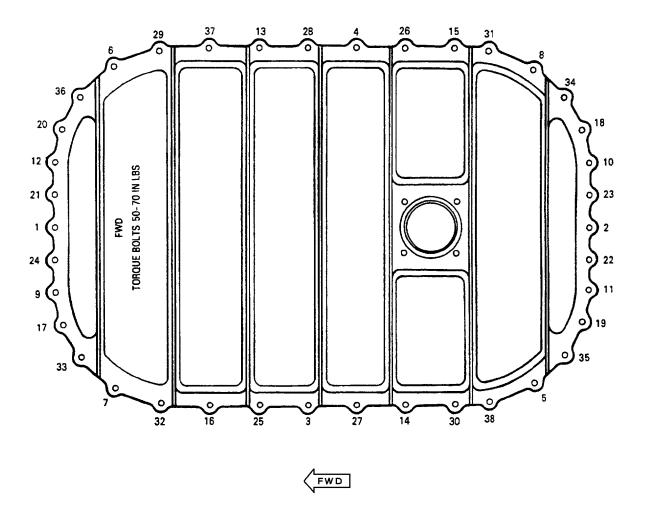


CAUTION

USE CAUTION WHEN HANDLING ACCESS COVER. DAMAGE TO FUEL QUANTITY TRANSMITTER SEAL AND/OR TANK ACCESS COVER SEAL WILL REQUIRE REPLACEMENT OF ACCESS COVER.

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	· · · · · · · · · · · · · · · · · · ·	NO. 1 FUEL TANK ACCESS COVER			
1	74A314639-1001	. COVER, ACCESS - FWD, FUEL CELL (ACCESS COVER) (76301)	1		PBOOO
	NAS6604-10	. BOLT (AP)	38		PAOZZ
	AN960JD416L	. WASHER (AP)	38		PAOZZ
	F52673-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M726C4M) (USE WITH INDEX 1)	4	*	PAOZZ
	NS202725-4	. SEE ABOVE (80539)	4	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
2	74A890601-2326	. PLATE, IDENTIFICATION (76301)	1		MDOZZ
3	74R890003-2001	. MARKER (76301)	1	A	MDOZZ
		# LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.			
		* ALTERNATE OR EQUIVALENT PARTS. (WP002 00)			
		CODE USABLE ON MODEL			
		A 161353 THRU 161519 F/A-18A			

AFTER F/A-18 AFC 39



003002

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ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

NO. 1 FUEL TANK ACCESS COVER

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18B

Reference Material

Line Maintenance Access Doors	A1-F18AC-LMM-010
Seat, Canopy, Survival Equipment and Boarding Ladder	A1-F18AC-120-300
Canopy (Original) - Removal and Installation - F/A-18B	WP086 00
Canopy Actuator	WP097 00
Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
Fuel Tank Access Fitting Floating Nut Repair	WP035 00
No. 1 Fuel Tank Fuel Quantity Transmitters	WP164 00
Line Maintenance Procedures	A1-F18AC-LMM-000
Plane Captain Manual	A1-F18AC-PCM-000

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Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 39	-	No. 1 Fuel Tank Interconnect Valve Replacement and Fuel Sequencing Modification (ECP MDA-F/A-18-00072C1)	15 Oct 86	

Support Equipment Required

Part Number or Type Designation

Nomenclature

-

Torque Wrench, 0 to 120 Inch-Pounds

Materials Required

Specification or Part Number

Nomenclature

VV-P-236 (CAGE 81348) Petrolatum, Technical

1. REMOVAL

- a. Defuel aircraft (A1-F18AC-PCM-000).
- b. Observe applicable fuel tank maintenance precautions (WP013 00).
- c. If access cover (1) is raised for inspection, omit steps d, e and g.

WARNING

To prevent injury to personnel remove canopy if tank entry is required for maintenance.

- d. If tank entry is required for maintenance, remove canopy (A1-F18AC-120-300, WP086 00).
- e. Remove canopy actuator (A1-F18AC-120-300, WP097 00).
- f. Remove internal door CPJ (A1-F18AC-LMM-010).



To prevent damage to aircraft components remove fuel quantity transmitter before removing access cover.

Use Caution when handling Access Cover. Damage to Fuel Quantity Transmitter Seal and/or Tank Access Cover Seal will require replacement of access cover.

- g. Remove no. 1 fuel tank aft fuel quantity transmitter (WP164 00).
- h. Remove access cover (1, figure 1) and attaching parts.
- i. If fuel tank access fitting floating nuts are damaged, repair per WP035 00.

2. INSTALLATION.

a. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01). (QA)

NOTE

For description of overcenter latch type couplings, see WP013 00.

- b. Inspect all accessible overcenter latch type couplings (W901F, W904F, W901K and W904K) before installing access cover per substeps below: (QA)
- (1) Make sure spring lock is securely locked in detent position to prevent rotation of the latch handle to open.
- (2) Lightly apply lifting pressure to latch handle. Latch should remain closed.
- (3) Make sure coupling holding tube or component is secure.
- c. Remove protective pad and any foreign objects. (QA)





Technical Petrolatum, VV-P-236

CAUTION

1

Use Caution when handling Access Cover. Damage to Fuel Quantity Transmitter Seal and/or Tank Access Cover Seal will require replacement of access cover.

- d. Lubricate access cover seal with petrolatum.
- e. Prepare mating surfaces of access cover (1, figure 1) and structure for electrical bonding (A1-F18AC-LMM-000).

NOTE

On 161704 AND UP, make sure wire bundle with screws are positioned through access cover to allow attachment to no. 1 fuel tank fuel quantity transmitter per WP164 00.

- f. Install and torque access cover (1) with attaching parts per substeps below: (QA)
- (1) Inspect access cover bolts and fuel tank access fitting floating nuts for burrs, damaged threads or foreign material which could cause inaccurate torque readings. Repair damaged access fitting floating nuts per WP035 00.
- (2) Lightly snug up all bolts by hand or wrench as required.
- (3) Torque all bolts to 40 inch-pounds in sequence per figure 2.
- (4) Final torque all bolts 50 to 70 inch-pounds in sequence per figure 2.
- g. Install no. 1 fuel tank aft fuel quantity transmitter (WP164 00) Do not install internal door CPJ or canopy.

NOTE

Because additional fuel system testing after installation of access cover could require a second cover removal, installation and leak test, the leak test should be done after all other fuel system tests are complete.

- h. Do access cover leak test per paragraph 3. If other fuel system tests are required after installation of access cover, do access cover leak test last.
 - i. Install internal door CPJ (A1-F18AC-LMM-010).
- j. Install canopy actuator (Al-F18AC-120-300, WP097 00).
 - k. Install canopy (A1-F18AC-120-300, WP086 00).

3. ACCESS COVER LEAK TEST. (QA)

Support Equipment Required

None

Materials Required

or Part Number	Nomenclature
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
MIL-L-25567, Type 1 (CAGE 81349)	Leak Test Compound

4. PROCEDURE.

Specification

NOTE

Because additional fuel system testing after installation of access cover could require a second cover removal, installation and leak test, the leak test should be done after all other fuel system tests are complete.

- a. Refuel aircraft (A1-F18AC-PCM-000).
- b. Hook up proximity switch control unit (A1-F18AC-LMM-000).

- c. Set switches on proximity switch control unit as listed below:
 - (1) LEFT GEAR WH OFF WHL
 - (2) NOSE GEAR NORM
 - (3) RIGHT GEAR NORM
- d. Operate APU in ECS test mode (A1-F18AC-LMM-000).





Leak Test Compound, MIL-L-25567, Type 1

- 2
- e. Apply leak test compound to access cover bolts and between access cover (1) and dorsal deck. Inspect for leaks.
 - f. Shut down APU (A1-F18AC-LMM-000).
- g. Remove proximity control unit (A1-F18AC-LMM-000).
- h. Wipe leak test compound from access cover with clean cheesecloth.

5. ILLUSTRATED PARTS BREAKDOWN.

6. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

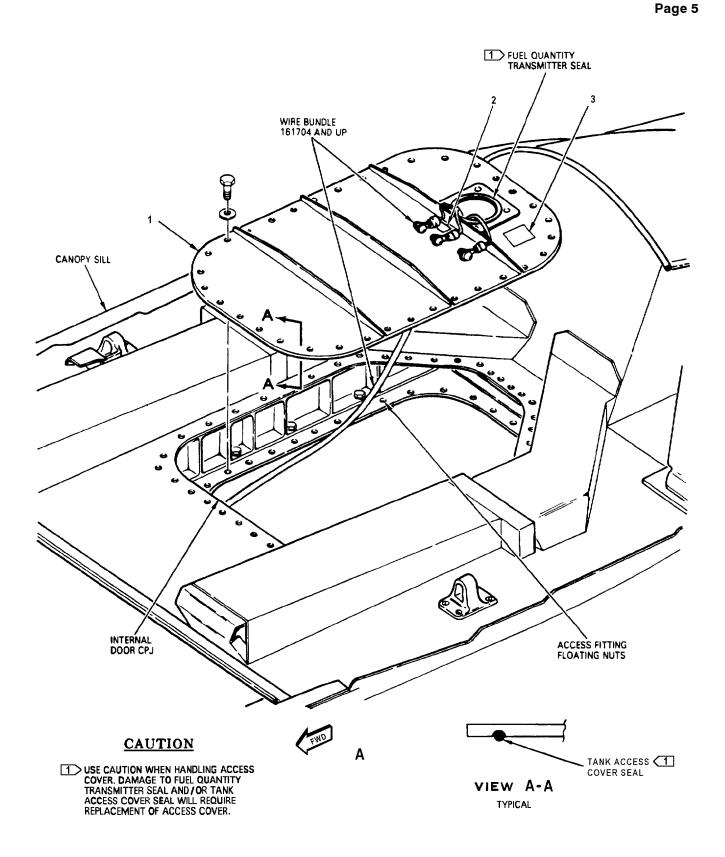
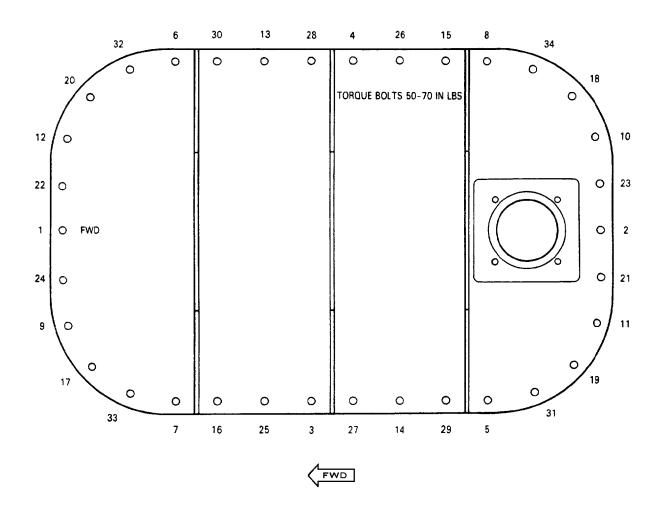


Figure 1. No. 1 Fuel Tank Access Cover (F/A-18B) (Sheet 1)

INDEX NO.	PART NUMBER	1 2 3	DESCRIPTION 4 5 6 7		UNITS PER ASSY	USE ON CODE	SM&R CODE
1	74A582144-1003	(F/A . COVEF F/A	EL TANK ACCESS COVER A-18B) R, ACCESS - TANK NO. 1 -18B (NO. 1 FUEL TANK		1		XBOOO
	NAS6604-6	(SU	CESS COVER) (76301) PERSEDES 74A582144-10 (AP)	,	34		PAOZZ
	AN960JD416		ER (AP)		34		PAOZZ
	F52673-4	. NUT, S (156 ST3	ELF-LOCKING, PLATE . 653) (MCDONNELL SPEC 6M726C4M) (USE WITH DEX 1)		4	*	PAOZZ
	NS202725-4	. SEE AI	BOVÉ (80539)		4	*	PAOZZ
	MS20426AD3 #		(AP)		2		-
2	74A890601-2326	. PLATE	, IDENTIFICATION (76301	.)	1		MDOZZ
3	74R890003-2001	. MARK	ER (76301)	• • • • • • • • • • •	1	Α	MDOZZ
			I/SIZE TO BE DETERMINI LATION.	ED AT			
		* ALTERN (WP002	ATE OR EQUIVALENT PA 00)	ARTS.			
		CODE	USABLE ON	MODEL			
		A	161354 THRU 161360 AFTER F/A-18 AFC 39	F/A-18B			

Figure 1. No. 1 Fuel Tank Access Cover (F/A-18B) (Sheet 2)



004002

1 May 2001

Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB NO. 2 FUEL TANK ACCESS COVER FUEL STORAGE SYSTEM

Reference Material

Line Maintenance Access Doors	A1-F18AC-LMM-010
Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
Fuel Tank Access Fitting Floating Nut Repair	WP035 00
No. 2 Fuel Tank Fuel Quantity Transmitter	WP165 00
Line Maintenance Procedures	A1-F18AC-LMM-000
Weapon Control System	A1-F18AC-740-300
AIM-7 Right Wing Radio Frequency Cable	
Structural Hardware	NAVAIR 01-1A-8
Structure Repair - General Information	A1-F18AC-SRM-200
Aircraft Corrosion Control	A1-F18AC-SRM-500
Plane Captain Manual	A1-F18AC-PCM-000

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Removal	5
Support Equipment Required	5
Platenuts	5
No. 2 Fuel Tank Access Cover, Figure 1	6

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/ Sealing of Raised Baffle in Fuel Tanks 2 and 3 (ECP MDA-F/A-18-00077C1/C2)	15 Jul 86	-

1. REMOVAL AND INSTALLATION.

Support Equipment Required

Part Number or Type Designation

Nomenclature

Torque Wrench, 0 to 120 Inch-Pounds

Technical Petrolatum

2. **REMOVAL**.

- a. Defuel aircraft (A1-F18AC-PCM-000).
- b. Observe applicable fuel tank maintenance precautions (WP013 00).

c. Remove door 26 (A1-F18AC-LMM-010).



Specification or Part

(CAGE 81349)

Number
MS293513-015
Nomenclature

Caution must be used when removing door 26 to prevent damage to TACAN antenna connections.

VV-P-236

CAUTION

To prevent damage to Aft Waveguide Segment, Coupler, or any other components/equipment on dorsal deck, do not come in contact with, or apply pressure to, components/equipment on dorsal deck. Be careful when on dorsal deck not to damage components/equipment.

To prevent damage to cable, cable must be secured away from no. 2 fuel tank access opening.

- d. Disconnect cable (1, figure 1) from coupler and secure in safe area (A1-F18AC-740-300, WP023 04).
- e. Remove attaching parts from clamp (9) and position cable assembly clear of access cover (7 or 11).

CAUTION

Use Caution when handling access cover. Damage to Fuel Quantity Transmitter Seal and/or Tank Access Cover Seal will require replacement of access cover.

- f. Remove no. 2 fuel tank fuel quantity transmitter (WP165 00).
- g. Remove tube (5), couplings (4) and packings (3).
- h. Remove attaching parts and access cover (7 or 11).
- i. If fuel tank access fitting floating nuts are damaged, repair (WP035 00).
 - j. Inspect access cover (7 or 11) (paragraph 6).

3. INSTALLATION.

CAUTION

To prevent damage to Aft Waveguide Segment, Coupler, or any other components/equipment on dorsal deck, do not come in contact with, or apply pressure to, components/equipment on dorsal deck. Be careful when on dorsal deck not to damage components/equipment.

a. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01). (QA)

NOTE

For description of overcenter latch type couplings, see WP013 00.

- b. Inspect all accessible overcenter latch type couplings (W901F, W904F, W901K and W904K) before installing access cover per substeps below: (QA)
- (1) Make sure spring lock is securely locked in detent position to prevent rotation of the latch handle to open.
- (2) Lightly apply lifting pressure to latch handle. Latch should remain closed.
- (3) Make sure coupling holding tube or component is secure.
- c. Remove protective pad and any foreign objects. (QA)





Technical Petrolatum, VV-P-236

1



Use Caution when handling Access Cover. Damage to Fuel Quantity Transmitter Seal and/or Tank Access Cover Seal will require replacement of access cover.

d. Lubricate all new packings and access cover seal with petrolatum.

e. Prepare mating surfaces of access cover (7 or 11, figure 1) and dorsal deck for electrical bonding (A1-F18AC-LMM-000).

CAUTION

To prevent damage to fuel tank access fitting, extra AN960JD416 washers must be used when NAS6604-15 bolts are installed.

- f. Install and torque access cover (7 or 11) with attaching parts per substeps below: (QA)
- (1) Inspect access cover bolts and fuel tank access fitting floating nuts for burrs, damaged threads or foreign material which could cause inaccurate torque readings. Repair damaged access fitting coating nuts (WP035 00).
- (2) If new fuel tank was installed, loosen dorsal deck access cover ring bolts (figure 2) before installing cover (7 or 11, figure 1).
- (3) Install all bolts in sequence (figure 2) and lightly snug up all bolts by hand or wrench, as required.
- (4) Torque all bolts to 40 inch-pounds in sequence (figure 2).
- (5) If new fuel tank was installed, torque dorsal deck access cover ring retaining bolts (figure 2) 50 to 70 inch-pounds.
- (6) Final torque all bolts 50 to 70 inch-pounds in sequence (figure 2).
- g. Install tube (5) with couplings (4) and packings (3).
- h. Install no. 2 fuel tank fuel quantity transmitter (WP165 00). Do not install door 26.
- i. Position cable assembly and install clamp (9) with attaching parts on bracket (10).
- j. Connect cable (1) to coupler (A1-F18AC-710-300, WP023 04), if required.

NOTE

Because additional fuel system testing after installation of access cover could require a second cover removal, installation and leak test, the leak test should be done after all other fuel system tests are complete.

- k. Do access cover leak test (paragraph 4). If other fuel system tests are required after installation of access cover do access cover leak test last.
 - 1. Install door 26 (A1-F18AC-LMM-010).

4. ACCESS COVER LEAK TEST. (QA)

Support Equipment Required

None

Materials Required

Specification or Part Number	Nomenclature
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
MIL-L-25567, Type 1 (CAGE 81349)	Leak Test Compound

5. PROCEDURE.

NOTE

Because additional fuel system testing after installation of access cover could require a second cover removal, installation and leak test, the leak test should be done after all other fuel system tests are complete.

- a. Refuel aircraft (A1-F18AC-PCM-000).
- b. Hook up proximity switch control unit (A1-F18AC-LMM-000).
- c. Set switches on proximity switch control unit as listed below:
 - (1) LEFT GEAR WT OFF WHL

- (2) NOSE GEAR NORM
- (3) RIGHT GEAR NORM
- d. Operate APU in ECS test mode (A1-F18AC-LMM-000)





Leak Test Compound, MIL-L-25567, Type 1

- e. Apply leak test compound to access cover bolts and between access cover (7 or 11) and dorsal deck. Inspect for leaks.
 - f. Shut down APU (A1-F18AC-LMM-000).
- g. Remove proximity control unit (A1-F18AC-LMM-000).
- h. Wipe leak test compound from access cover with clean cheesecloth.

6. INSPECTION.

- a. Visually inspect all parts for corrosion, damage or wear.
- b. Inspect platenuts for stripped or cross threads and replace (paragraph 8).
- c. Insert for loose or missing rivets and replace as required (NAVAIR 01-1A-8).
- d. Inspect access cover (7 or 11, figure 1, detail A) for loose or missing paint and repair (A1-F18AC-SRM-500).

7. REPAIR.

NOTE

Disassemble only enough to replace defective parts.

8. PLATENUTS.

- a. Remove and install platenuts (NAVAIR 01-1A-8).
- b. Fay seal periphery of platenut and mating surface per A1-F18AC-SRM-200.
- c. Touch up loose or missing paint (A1-F18AC-SRM-500).

9. BRACKET ASSEMBLY. (10, figure 1)

Support Equipment Required

None

Materials Required

None

10. Removal.

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
 - b. Remove access cover (7 or 11) (paragraph 2).
- c. Remove rivets per NAVAIR 01-1A-8 and remove bracket assembly (10).

11. Installation.

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
- b. Position bracket assembly (10) and wet install rivets (NAVAIR 01-1A-8).
 - c. Install access cover (7 or 11) (paragraph 3).

12. ILLUSTRATED PARTS BREAKDOWN.

13. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

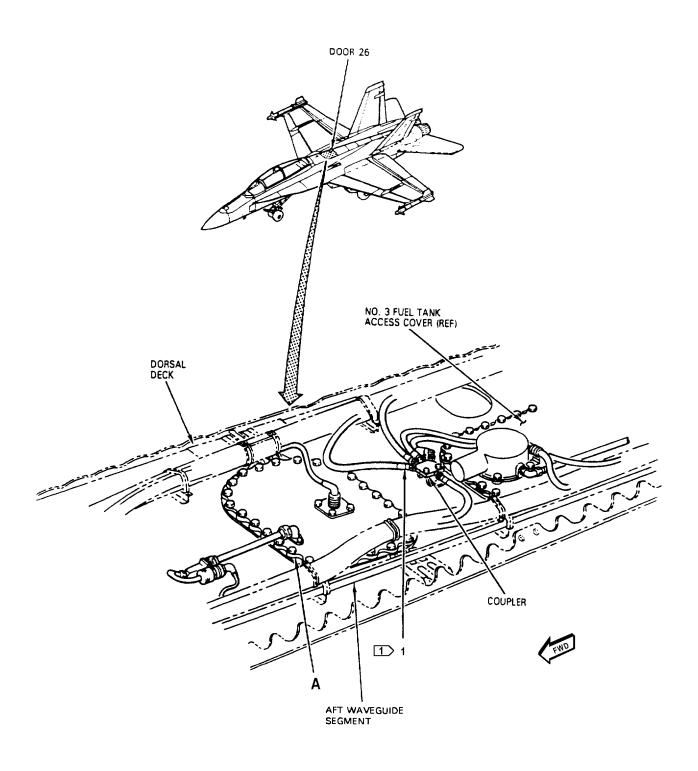


Figure 1. No. 2 Fuel Tank Access Cover (Sheet 1)

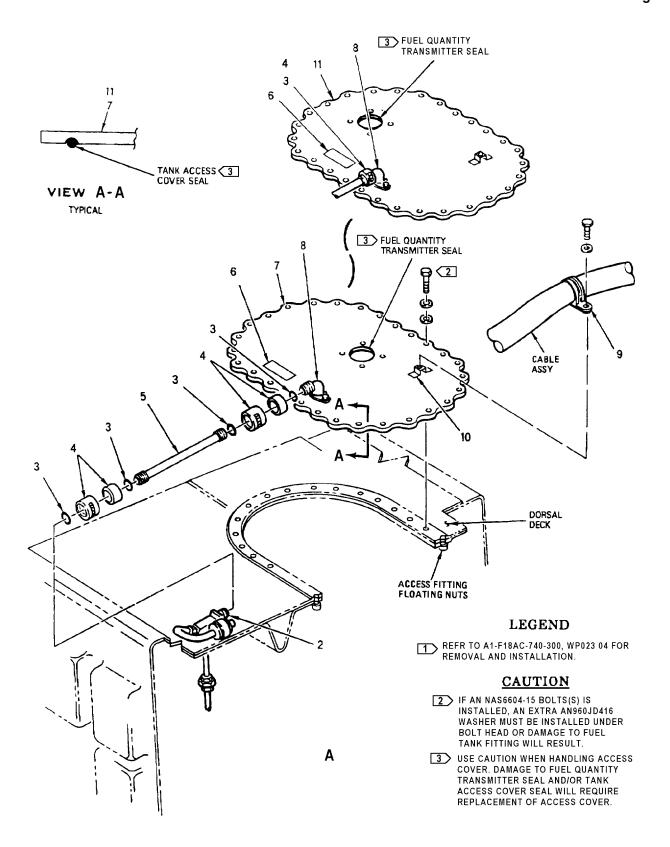


Figure 1. No. 2 Fuel Tank Access Cover (Sheet 2)

00500102

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 0 7 0 0 1	A001	CODE	
		NO. 2 FUEL TANK ACCESS COVER			
1	82-3223-1	. CONNECTOR, PLUG, ELECTRICAL	1	*	PAOZZ
	1205-1-1	. CONNECTOR, PLUG, ELECTRICAL	1	*	PAOZZ
	1103-097-A00E-1	. SEE ABOVE (00795)	1	*	PAOZZ
2	74A586255-1005	ELBOW, TUBE - 0.50 IN. LINE,	1	С	XBOZZ
	74A586255-1011	ELBOW, TUBE - 0.50 IN. LINE,	1	D	PAOZZ
3	MS29513-015	. PACKING	4		PAOZZ
4	W901K8DE	. COUPLING, CLAMP, GROOVED	2		PAOZZ
	14J12-8A	. COUPLING, CLAMP, GROOVED	2		PAOZZ
	W901F8DE	. COUPLING, CLAMP, GROOVED	2	*	PAOZZ
5	74A586260-1007	TUBE ASSEMBLY, METAL - DORSAL VENT, Y388 ELB TO Y400 ELB (76301) (SUPERSEDES 74A586260-1003 AND 74A586260-1005)	1		XBOZZ
6	74A586555-2001	. PLATE, IDENTIFICATION - FUEL SYSTEM (76301)	1		MDOZZ
7	74A321421-1025	. COVER, ACCESS - FUEL BAY (NO. 2 FUEL TANK ACCESS COVER) (76301)	1	A	PAOOG
	NAS6604-14	. BOLT (AP)	28		PAOZZ
	AN960JD416	. WASHER (AP)	28		PAOZZ
	F52673-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M726C4M) (USE WITH INDEX 7)	6	*	PAOZZ
	NS202725-4	. SEE ABOVE (80539)	6	*	PAOZZ
	BSN726C4M	. SEE ABOVE (27238)	6	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
8	74A586256-2001	. ADAPTER, VENT TUBE - 1/2 IN LINE, FUEL VENT SYSTEM (76301)	1		PAOZZ
	NAS674V11	BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
^	MS29513-117	. PACKING (USE WITH INDEX 8)	1		PAOZZ
9	M85052/3-22	. CLAMP	1		PAOZZ
	NAS673V2	BOLT (AP)	1		PAOZZ
10	AN960JD10L	WASHER (AP)	1		PAOZZ
10	74A885602-1009 MS20470AD2 #	BRACKET ASSY (76301)	1		XBOOO
	MS20470AD3 #	RIVET (AP)	2		- DA O 7 7
	MS21059L3 MS20426AD3 #	. NUT, PLATE (USE WITH INDEX 10)	1 2		PAOZZ
	1110207201100 11		-		

Figure 1. No. 2 Fuel Tank Access Cover (Sheet 3)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
11	74A321421-1047	. COVER ACCESS - FUEL BAY (NO. 2 FUEL TANK ACCESS COVER) (76301)	1	В	PAOOG
	NAS6604-14	. BOLT (AP)	28		PAOZZ
	AN960JD416	. WASHER (AP)	28		PAOZZ
	F52673-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M726C4M) (USE WITH INDEX 11)	6	*	PAOZZ
	NS202725-4	. SEE ABOVE (80539)	6	*	PAOZZ
	BSN726C4M	. SEE ABOVE (27238)	6	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

CODE	USABLE ON	MODEL
A	161353 THRU 161761 BEFORE F/A-18 AFC 18	F/A-18A/B
В	161924 & UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 18	F/A-18A/B
C	161353 & UP	F/A-18A
D	161354 & UP	F/A-18B

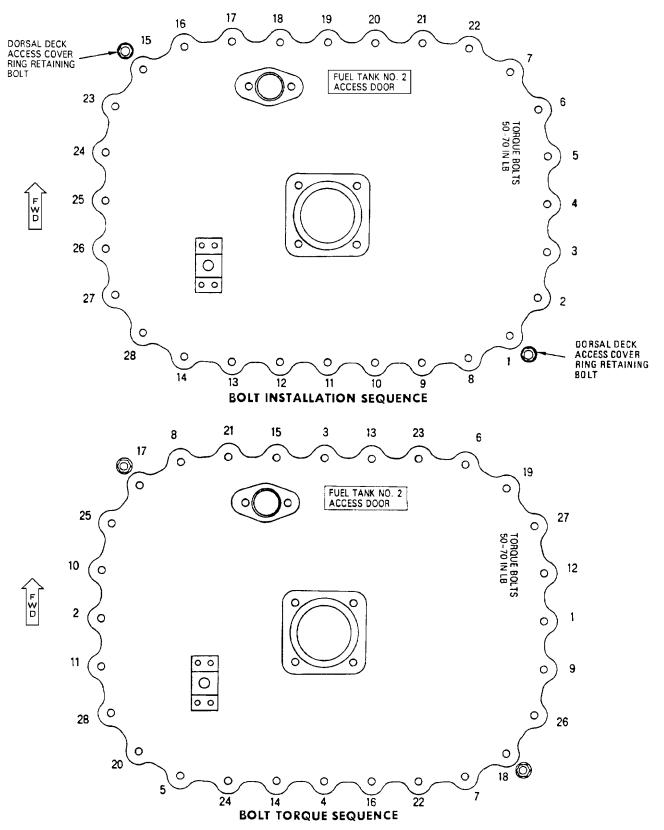


Figure 2. No. 2 Fuel Tank Access Cover Bolt Installation and Torque Sequences

005002

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB NO. 3 FUEL TANK ACCESS COVER

FUEL STORAGE SYSTEM

Reference Material

Line Maintenance Access Doors	A1-F18AC-LMM-010
Fuel System	
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
Fuel Tank Access Fitting Floating Nut Repair	WP035 00
No. 3 Fuel Tank Fuel Quantity Transmitter	WP166 00
Line Maintenance Procedures	A1-F18AC-LMM-000
Plane Captain Manual	A1-F18AC-PCM-000
•	

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Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/ Sealing of Raised Baffle in Fuel Tanks 2 and 3 (ECP MDA-F/A-18-00077C1/C2)	15 Jul 86	-

Support Equipment Required

Part Number or Type Designation

Nomenclature

Torque Wrench, 0 to 120 Inch-Pounds

Materials Required

Specification or Part Number	Nomenclature
MS29513-015	Packing (2)
MS29513-226	Packing
MS29513-243	Packing
MS29513-246	Packing
VV-P-236 (CAGE 81348)	Petrolatum, Technical

1. **REMOVAL**.

- a. Defuel aircraft (A1-F18AC-PCM-000).
- b. Observe applicable fuel tank maintenance precautions (WP013 00).



Caution must be used when removing door 31 to prevent damage to data link antenna connections.

c. Remove door 31 (A1-F18AC-LMM-010).



To prevent damage to Aft Waveguide Segment, Coupler, or any other components/equipment on dorsal deck, do not come in contact with, or apply pressure to, components/equipment on dorsal deck. Be careful when on dorsal deck not to damage components/equipment.

- d. Remove no. 3 fuel tank fuel quantity transmitter (WP166 00).
- e. Remove coupling (8, figure 1), tube assembly (7), cover (5) and attaching parts.
 - f. Remove support (2) and attaching parts.
- g. Remove attaching parts to clamps (11) and position wire bundle clear of access cover (14 or 15).



Use Caution when handling Access Cover. Damage to Fuel Quantity Transmitter Seal and/or Tank Access Cover Seal will require replacement of access cover.

- h. Remove access cover (14 or 15) and attaching parts.
- i. If fuel tank access fitting floating nuts are damaged, repair (WP035 00).

2. INSTALLATION.



To prevent damage to Aft Waveguide Segment, Coupler, or any other components/equipment on dorsal deck, do not come in contact with, or apply pressure to, components/equipment on dorsal deck. Be careful when on dorsal deck not to damage components/equipment.

a. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01).

NOTE

For description of overcenter latch type couplings, see WP013 00.

- b. Inspect all accessible overcenter latch type couplings (W901F, W904F, W901K and W904K) before installing access cover per substeps below: (QA)
- (1) Make sure spring lock is securely locked in detent position to prevent rotation of the latch handle to open.
- (2) Lightly apply lifting pressure to latch handle. Latch should remain closed.
- (3) Make sure coupling holding tube or component is secure.
- c. Remove protective pad and any foreign objects. (QA)





Technical Petrolatum, VV-P-236

d. Lubricate all new packings and access cover seal with petrolatum before installation.

1

e. Prepare mating surfaces of access cover (14 or 15, figure 1) and dorsal deck for electrical bonding (A1-F18AC-LMM-000).

CAUTION

Use Caution when handling Access Cover. Damage to Fuel Quantity Transmitter Seal and/or Tank Access Cover Seal will require replacement of access cover.

To prevent damage to fuel tank access fitting, extra AN960JD416 washers must be used when NAS6604-15 bolts are installed.

- f. Install and torque access cover (14 or 15) with attaching parts per substeps below: (QA)
- (1) Inspect access cover bolts and fuel tank access fitting floating nuts for burrs, damaged threads or foreign material which could cause inaccurate torque readings. Repair damaged access fitting floating nuts (WP035 00).
- (2) If new fuel tank was installed, loosen dorsal deck access cover ring bolts (figure 2) before installing cover (14 or 15, figure 1).
- (3) Install all bolts in sequence per figure 2 and lightly snug up all bolts by hand or wrench as required.
- (4) Torque all bolts to 40 inch-pounds in sequence (figure 2).
- (5) If new fuel tank was installed, torque dorsal deck access cover ring retaining bolts (figure 2) 50 to 70 inch-pounds.
- (6) Final torque all bolts 50 to 70 inch-pounds in sequence (figure 2).
- g. Position wire bundle and install attaching parts to clamps (11).
- h. Prepare mating surfaces of cover (5) and support (2) for electrical bond (A1-F18AC-LMM-000).
- i. Install packing (1, figure 1) and support (2) with attaching parts.
- j. Install packings (3 and 4), cover (5) with attaching parts, tube assembly (7), packings (9) and coupling (8).
- k. Install no. 3 fuel tank fuel quantity transmitter (WP166 00). Do not install door 31.

NOTE

Because additional fuel system testing after installation of access cover could require a second cover removal, installation and leak test, the leak test should be done after all other fuel system tests are complete.

- 1. Do access cover leak test (paragraph 3). If other fuel system tests are required after installation of access cover, do access cover leak test last.
 - m. Install door 31 (A1-F18AC-LMM-010).

3. ACCESS COVER LEAK TEST (QA).

Support Equipment Required

None

Materials Required

Number Nomenclature CCC-C-440, Cheesecloth Type 1, Class 1 (CAGE 81348) MIL-L-25567, Leak Test Compound Type 1 (CAGE 81349)

4. PROCEDURE.

Specification or Part

NOTE

Because additional fuel system testing after installation of access cover could require a second cover removal, installation and leak test, the leak test should be done after all other fuel system tests are complete.

a. Refuel aircraft (A1-F18AC-PCM-000).

- b. Hook up proximity switch control unit (A1-F18AC-LMM-000).
- c. Set switches on proximity switch control unit as listed below:
 - (1) LEFT GEAR WT OFF WHL
 - (2) NOSE GEAR NORM
 - (3) RIGHT GEAR NORM
- d. Operate APU in ECS test mode (A1-F18AC-LMM-000).



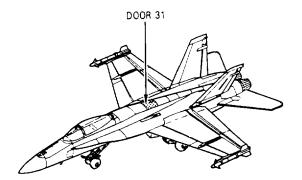


Leak Test Compound, MIL-L-25567, Type 1

- 2
- e. Apply leak test compound to access cover bolts and between access cover (14 or 15) and dorsal deck. Inspect for leaks.
 - f. Shut down APU (A1-F18AC-LMM-000).
- g. Remove proximity control unit (A1-F18AC-LMM-000).
- h. Wipe leak test compound from access cover with clean cheesecloth.

5. ILLUSTRATED PARTS BREAKDOWN.

6. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.



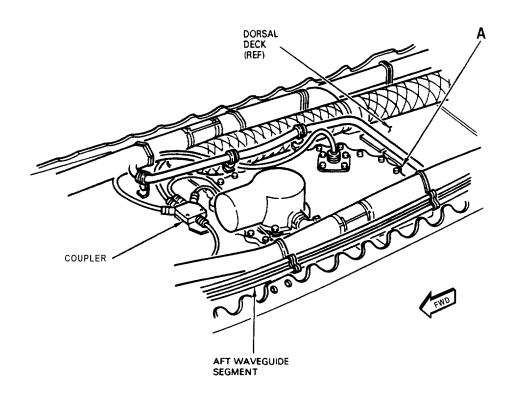


Figure 1. No. 3 Fuel Tank Access Cover (Sheet 1)

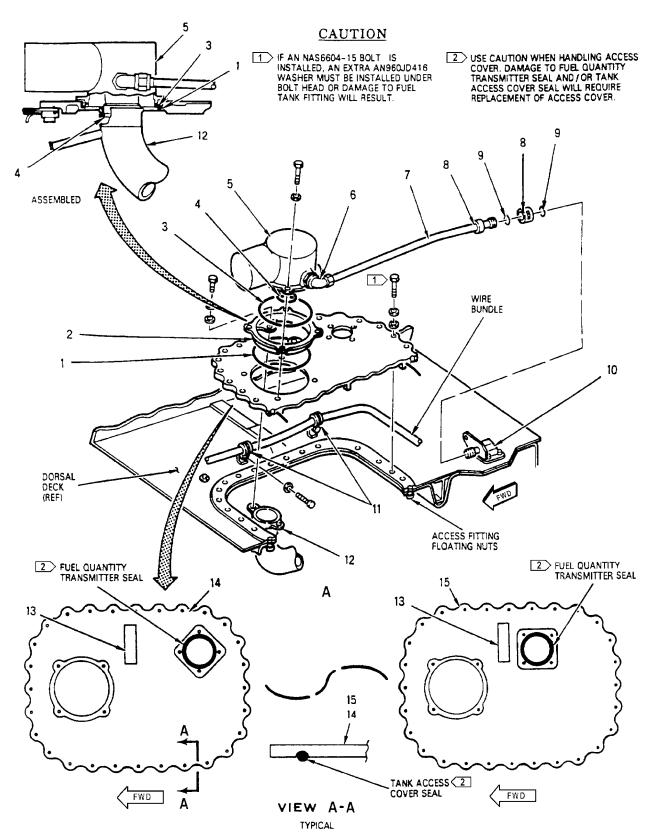


Figure 1. No. 3 Fuel Tank Access Cover (Sheet 2)

00600102

	Γ	T	LINUTO	1105	
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 3 FUEL TANK ACCESS COVER	ı	<u>L</u>	
1	MS29513-246	PACKING	1		PAOZZ
2	74A586380-2003	. SUPPORT - CLIMB VENT TUBE FUEL	1		XBOZZ
2	741200300 2003	TANK NO. 3 (76301) (SUPERSEDES 74A586380-2001)	1		ABOLL
	NAS673V5	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
3	MS29513-243	. PACKING	1		PAOZZ
4	MS29513-226	. PACKING	1		PAOZZ
5	74A586374-1001	. COVER, CLIMB VENT - FUEL TANK NO. 3 (76301)	1		XBOZZ
	NAS674V13	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
6	7M637BW-8D	. ELBOW (76301)	1		PAOZZ
	AN6289D8	. NUT (USE WITH INDEX 6)	1		PAOZZ
	MS29512-08	. PACKING (USE WITH INDEX 6)	1		PAOZZ
	MS28773-08	. RETAINER (USE WITH INDEX 6)	1		PAOZZ
7	74A586322-1009	. TUBE ASSEMBLY, METAL - DORSAL VENT, Y424 ELB TO Y447 ELB (76301) (SUPERSEDES 74A586322-1003, 74A586322-1005 AND 74A586322-1007)	1		MGOZZ
8	W901K8DE	COUPLING, CLAMP, GROOVED(79326) (MCDONNELL SPEC 7M765-8D) (INCLUDES SLEEVE)	1		PAOZZ
	14J12-8A	COUPLING, CLAMP, GROOVED	1		PAOZZ
	W901F8DE	. COUPLING, CLAMP, GROOVED	1	*	PAOZZ
9	MS29513-015	. PACKING	2		PAOZZ
10	74A586255-1009	ELBOW, TUBE - 0.50 IN. LINE, VENT FUEL SYS (76301) (SUPERSEDES 74A586255-1001 AND 74A586255-1005)	1		XBOZZ
11	JM44LC33WD20	. CLAMP, LOOP (22175) (MCDONNELL SPEC ST9M630D20)	2	*	PAOZZ
	830WD20G	. SEE ABOVE (83930)	2	*	PAOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	A11144-4-3	NUT, CLIP (72962) (MCDONNELL	1	*	PAOZZ
	130091	NUT, CLIP (76530) (MCDONNELL	1	*	PAOZZ
12	74A586381-1001	. TUBE ASSY - CLIMB VENT, FUEL TANK NO. 3 (76301)	1		XBOOO
13	74A586555-2003	. PLATE, IDENTIFICATION - FUEL SYSTEM (76301)	1		MDOZZ
14	74A321421-1033	. COVER ACCESS - FUEL BAY (NO. 3 FUEL TANK ACCESS COVER) (76301)	1	A	PAOOG
	NAS6604-14	. BOLT (AP)	28		PAOZZ

Figure 1. No. 3 Fuel Tank Access Cover (Sheet 3)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	AN960JD416	. WASHER (AP)	28		PAOZZ
	F52673-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M726C4M) (USE WITH INDEX 14)	8	*	PAOZZ
	NSZ02725-4	. SEE ABOVE (80539)	8	*	PAOZZ
	BSN726C4M	. SEE ABOVE (27238)	8	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
15	74A321421-1049	. COVER, ACCESS - FUEL BAY (NO. 3 FUEL TANK ACCESS COVER) (76301)	1	В	PAOOG
	NAS6604-14	. BOLT (AP)	28		PAOZZ
	AN960JD416	. WASHER (AP)	28		PAOZZ
	F52673-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M726C4M)	8	*	PAOZZ
	NS202725-4	. SEE ABOVE (80539)	8	*	PAOZZ
	BSN726C4M	. SEE ABOVE (276238)	8	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-

[#] LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

CODE	USABLE ON	MODEL
A	161353 THRU 161761 BEFORE F/A-18 AFC 18	F/A-18A/B
В	161924 & UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 18	F/A-18A/B

Figure 1. No. 3 Fuel Tank Access Cover (Sheet 4)

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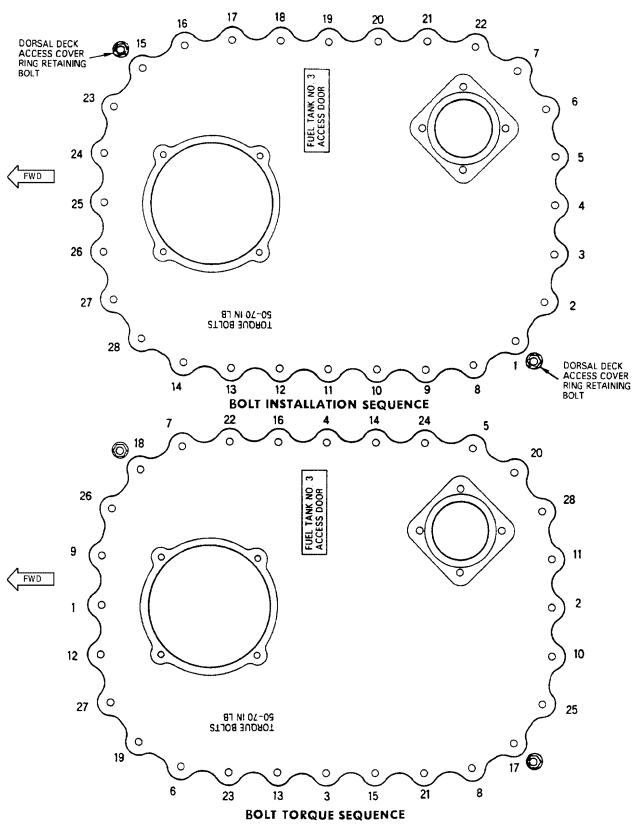


Figure 2. No. 3 Fuel Tank Access Cover Bolt Installation and Torque Sequences

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

NO. 4 FUEL TANK FORWARD ACCESS COVER

FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
Fuel Tank Access Fitting Floating Nut Repair	WP035 00
No. 4 Fuel Tank Forward Fuel Quantity Transmitter	
Line Maintenance Access Doors	A1-F18AC-LMM-010
Environmental Control Systems	A1-F18AC-410-300
Bleed Air Forward Dorsal Duct Assembly	WP011 00
Line Maintenance Procedures	A1-F18AC-LMM-000
Structural Hardware	NAVAIR 01-1A-8
Structure Repair - General Information	A1-F18AC-SRM-200
Aircraft Corrosion Control	
Plane Captain Manual	A1-F18AC-PCM-000

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Record of Applicable Technical Directives

None

1. REMOVAL AND INSTALLATION.

Support Equipment Required

Part Number or Type Designation	Nomenclature
-	Torque Wrench,
	0 to 120

Materials Required

Specification or Part Number	Nomenclature
MS29513-117	Packing (4)
VV-P-236 (CAGE 81348)	Petrolatum, Technical
2. REMOVAL.	

- a. Defuel aircraft (A1-F18AC-PCM-000).
- b. Observe applicable fuel tank maintenance precautions (WP013 00).
- c. Remove doors 31, 40, 43 and 49 (A1-F18AC-LMM-010).



To prevent damage to Aft Waveguide Segment, do not come in contact with, or apply pressure to, Aft Waveguide Segment. Be careful when on dorsal deck not to damage Aft Waveguide Segment.

Bleed air leak detector performance will be degraded if the detector sensing element is kinked or crushed. To avoid damaging the detector sensing element, do not form a bend radius of less than 0.5 inch.

- d. Remove bleed air forward dorsal duct assembly (A1-F18AC-410-300, WP011 00).
- e. Disconnect clamps (3 and 4, figure 1) and secure fire detector (1) away from access cover (5).
- f. Remove no. 4 fuel tank fuel quantity transmitter (WP167 00).
- g. Remove attaching parts to clamps (10 and 12) and position cable assemblies clear of access cover (5).
- h. Remove tube (9), couplings (7) and packings (8).

CAUTION

Use Caution when handling Access Cover. Damage to Fuel Quantity Transmitter Seal and/or Tank Access Cover Seal will require replacement of access cover.

- i. Remove attaching parts and access cover (5).
- j. If fuel tank access fitting floating nuts are damaged, repair (WP035 00).
 - k. Inspect access cover (5) (paragraph 4).

3. INSTALLATION.

CAUTION

To prevent damage to Aft Waveguide Segment, do not come in contact with, or apply pressure to, Aft Waveguide Segment. Be careful when on dorsal deck not to damage Aft Waveguide Segment.

a. Do fuselage fuel tank motive flow/transfer tubes coupling inspection (WP013 01).

NOTE

For description of overcenter latch type couplings, see WP013 00.

- b. Inspect all accessible overcenter latch type couplings (W901F, W904F, W901K and W904K) before installing access cover per substeps below: (QA)
- (1) Make sure spring lock is securely locked in detent position to prevent rotation of the latch handle to open.
- (2) Lightly apply lifting pressure to latch handle. Latch should remain closed.
- (3) Make sure coupling holding tube or component is secure.
- c. Remove protective pad and any foreign objects. (QA)





Technical Petrolatum, VV-P-236

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- d. Lubricate all new packings and access cover seal with petrolatum before installation.
- e. Prepare mating surfaces of access cover (5, figure 1) and dorsal deck for electrical bonding (A1-F18AC-LMM-000).

CAUTION

Use Caution when handling Access Cover. Damage to Fuel Quantity Transmitter Seal and/or Tank Access Cover Seal will require replacement of access cover.

To prevent damage to fuel tank access fitting, extra AN960JD416 washers must be used when NAS6604-15 bolts are installed.

- f. Install access cover (5) and attaching parts per substeps below: (QA)
- (1) Inspect access cover (5) bolts and fuel tank access fitting floating nuts for burrs, damaged threads or foreign material which could cause inaccurate torque readings. Repair damaged access fitting floating nuts (WP035 00).
- (2) If new fuel tank was installed, loosen dorsal deck access cover ring bolts (figure 2) before installing cover (5, figure 1).
- (3) Install all bolts in sequence (figure 2) and lightly snug up all bolts by hand or wrench, as required.
- (4) Torque all bolts to 40 inch-pounds in sequence (figure 2).
- (5) If new fuel tank was installed, torque dorsal deck access cover ring retaining bolts (figure 2) 50 to 70 inch-pounds.
- (6) Final torque all bolts 50 to 70 inch-pounds in sequence (figure 2).
- g. Install tube (9) with packings (8) and couplings (7).
- h. Install no. 4 fuel tank fuel quantity transmitter (WP167 00). Do not install doors 31, 40, 43 and 49.

- i. Position cable assemblies and clamps (10 and 12) and install attaching parts.
 - j. Install leak detector (1) with clamps (3 and 4).
- k. Install bleed air forward dorsal duct assembly (A1-F18AC-410-300, WP011 00).

NOTE

Because additional fuel system testing after installation of access cover could require a second cover removal, installation and leak test, the leak test should be done after all other fuel system tests are complete.

- 1. Do access cover leak test (paragraph 4). If other fuel system tests are required after installation of access cover, do access cover leak test last.
- m. Install doors 31, 40, 43 and 49 (A1-F18AC-LMM-010).

4. ACCESS COVER LEAK TEST. (QA)

Support Equipment Required

None

Materials Required

Specification or Part Number

Nomenclature

CCC-C-440, Type 1, Class 1 Cheesecloth

Class 1 (CAGE 81348) Checsecion

MIL-L-25567, Type 1 (CAGE 81349)

Leak Test Compound

5. PROCEDURE.

NOTE

Because additional fuel system testing after installation of access cover could require a second cover removal, installation and leak test, the leak test should be done after all other fuel system test are complete.

- a. Refuel aircraft (A1-F18AC-PCM-000).
- b. Hook up proximity switch control unit (A1-F18AC-LMM-000).

- c. Set switches on proximity switch control unit as listed below:
 - (1) LEFT GEAR WT OFF WHL
 - (2) NOSE GEAR NORM
 - (3) RIGHT GEAR NORM
- d. Operate APU in ECS test mode (A1-F18AC-LMM-000).





Leak Test Compound, MIL-L-25567, Type 1

- 2
- e. Apply leak test compound to access cover bolts and between access cover (5) and dorsal deck. Inspect for leaks.
 - f. Shut down APU (A1-F18AC-LMM-000).
- g. Remove proximity control unit (A1-F18AC-LMM-000).
- h. Wipe leak test compound from access cover with clean cheesecloth.

6. INSPECTION.

- Visually inspect all parts for corrosion, damage or wear.
- b. Inspect platenuts for stripped or cross threads and replace as required (paragraph 8).
- c. Inspect for loose or missing rivets and replace as required (NAVAIR 01-1A-8).
- d. Inspect access cover (5, detail A) for loose or missing paint and repair (A1-F18AC-SRM-500).

7. REPAIR.

NOTE

Disassemble only enough to replace defective parts.

8. PLATENUTS.

- a. Remove and install platenuts (NAVAIR 01-1A-8).
- b. Fay seal periphery of platenut and mating surface (A1-F18AC-SRM-200).

- c. Touch up loose or missing paint (A1-F18AC-SRM-500).
- 9. BRACKET ASSEMBLY. (13, figure 1)

Support Equipment Required

None

Materials Required

None

10. Removal.

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
 - b. Remove access cover (5) (paragraph 2).

c. Remove rivets per NAVAIR 01-1A-8 and remove bracket assembly (13).

11. Installation.

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
- b. Position bracket assembly (13) and wet install rivets (NAVAIR 01-1A-8).
 - c. Install access cover (5) (paragraph 3).

12. ILLUSTRATED PARTS BREAKDOWN.

13. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

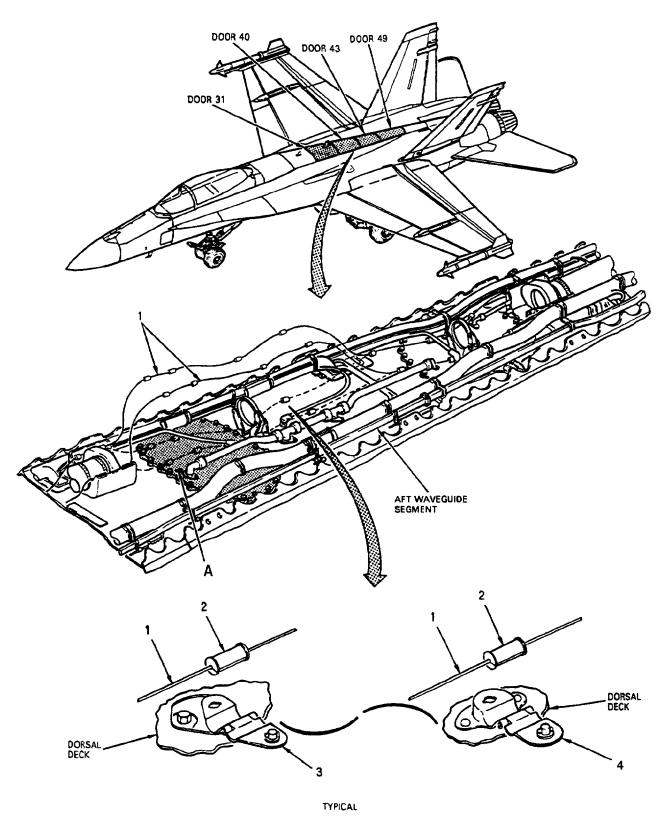


Figure 1. No. 4 Fuel Tank Forward Access Cover (Sheet 1)

CAUTION

- IF AN NAS6604-15 BOLT(S) IS
 INSTALLED, AN EXTRA AN960JD416
 WASHER MUST BE INSTALLED UNDER
 BOLT HEAD OR DAMAGE TO FUEL
 TANK FITTING WILL RESULT.
- 2 USE CAUTION WHEN HANDLING ACCESS COVER. DAMAGE TO FUEL QUANTITY TRANSMITTER SEAL AND/OR TANK ACCESS COVER SEAL WILL REQUIRE REPLACEMENT OR ACCESS COVER.

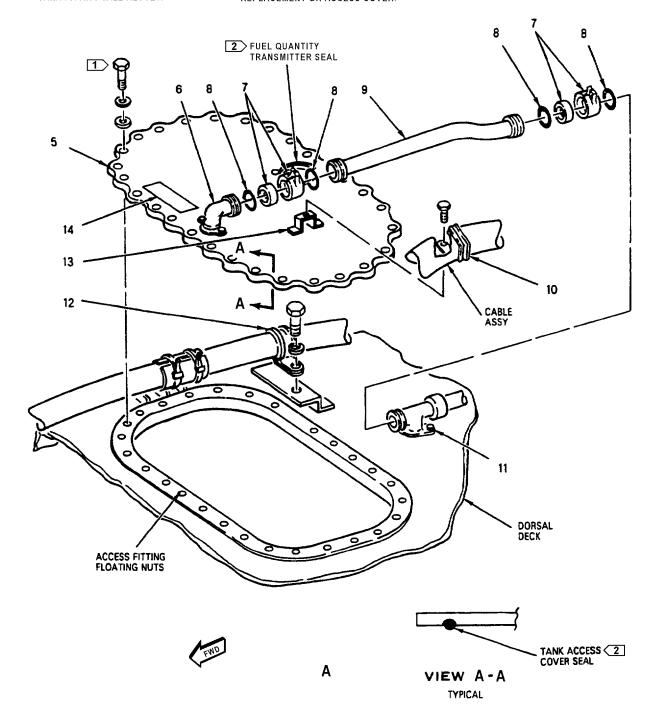


Figure 1. No. 4 Fuel Tank Forward Access Cover (Sheet 2)

			T		
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 4 FUEL TANK FORWARD ACCESS COVER			
1	3151-17-500/325-12	DETECTOR, FIRE, OVERHEAT - FWD DORSAL (FWD DORSAL DUCT SENSING ELEMENT) (25693) (MCDONNELL SPEC 74-830075-245) (24U-P005 AND 24U-R004)	2		PAOZZ
2	3106	. ADAPTER - CLAMP, SENSOR, LEAK AND FIRE DETECTOR (25693) (MCDONNELL SPEC 9M774-1)	AR		PAOZZ
3	7Cl-4	. CLAMP, LOOP (71286) (MCDONNELL SPEC ST9M631S4)	AR		PAOZZ
4	7C31-lAA	. CLAMP, QUICK RELEASE (71286) (MCDONNELL SPEC ST9M632S4)	AR		PAOZZ
5	74A321421-1043	. COVER, ACCESS - FUEL BAY (NO. 4 FUEL TANK FWD ACCESS COVER) (76301)	1		PAOOG
	74A321421-1027	. COVER, ACCESS - FUEL BAY (NO. 4 FUEL TANK FWD ACCESS COVER) (76301)	1	*	PAOOG
	NAS6604-14	. BOLT (AP)	28		PAOZZ
	AN960JD416	. WASHER (AP)	28		PAOZZ
	F52673-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M726C4M) (USE WITH INDEX 5)	6	*	PAOZZ
	NS202725-4	. SEE ABOVE (80539)	6	*	PAOZZ
	BSN726C4M	. SEE ABOVE (27238)	6	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
6	74A586403-2001	. ADAPTER, VENT TUBE - FUEL BAY FLOOR, UPPER (76301)	1		PAOZZ
	NAS674V9	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
	MS29513-214	. PACKING (USE WITH INDEX 6)	1		PAOZZ
7	W901K12DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-12D) (INCLUDES SLEEVE)	2		PAOZZ
	14J12-12A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-12D) (INCLUDES SLEEVE)	2		PAOZZ
	W901F12DE	. COUPLING, CLAMP, GROOVED	2	*	PAOZZ
8	MS29513-117	. PACKING	4		PAOZZ
9	74A586457-1003	. TUBE ASSEMBLY, METAL - DORSAL VENT, Y457 ELB TO Y473 TEE (76301) (REPLACES 74A586457-1001)	1		PAOZZ
	74A586457-1001	. TUBE ASSEMBLY, METAL - DORSAL VENT, Y457 ELB TO Y473 TEE (76301) (USE UNTIL EXHAUSTED)	1	A	PAOZZ
10	M85052/3-23	. CLAMP	1		PAOZZ
	NAS673V2	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ

Figure 1. No. 4 Fuel Tank Forward Access Cover (Sheet 3)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
11	74A586404-2001	TEE, TUBE - VENT, FUEL BAY FLOOR, UPPER (76301)	2		PAOZZ
	NAS674V5	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
	MS29513-214	. PACKING (USE WITH INDEX 11)	1		PAOZZ
12	M85052/3-22	. CLAMP	1		PAOZZ
	NAS673V2	. BOLT (AP)	1		PAOZZ
	AN96OJD10L	. WASHER (AP)	1		PAOZZ
13	74A885602-1009	. BRACKET ASSY (76301)	1		XBOOO
	MS20470AD3 #	. RIVET (AP)	2		-
	MS21059L3	. NUT, PLATE (USE WITH INDEX 13)	1		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
	74A885602-2009	. BRACKET, ELECTRICAL (USE WITH INDEX 13)	1		MGOZZ
14	74A586555-2007	. PLATE, IDENTIFICATION - FUEL SYSTEM (76301)	1		MDOZZ
		# LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.			

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

CODE USABLE ON MODEL
A 161353 THRU 161519 F/A-18A/B

Figure 1. No. 4 Fuel Tank Forward Access Cover (Sheet 4)

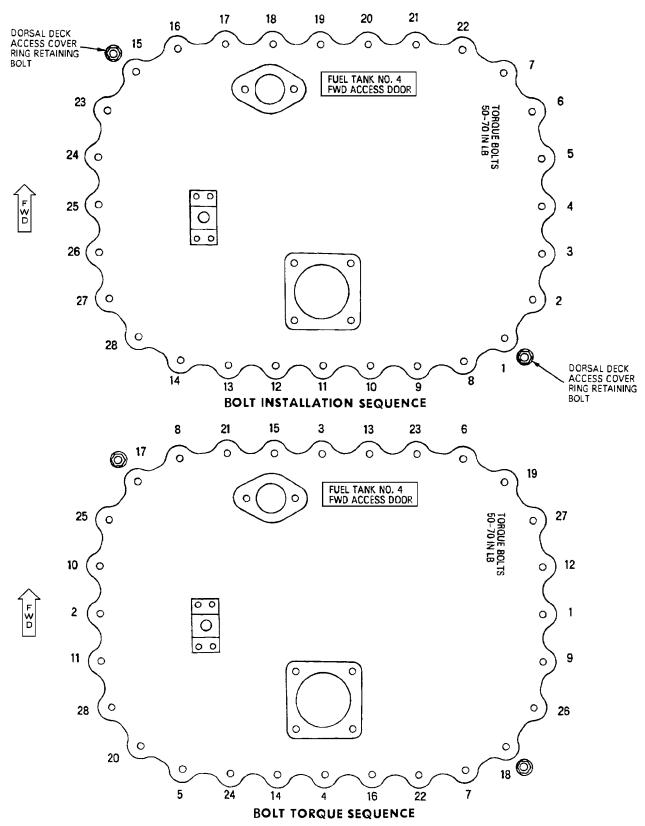


Figure 2. No. 4 Fuel Tank Forward Access Cover Bolt Installation and Torque Sequences

1 May 2001

Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

NO. 4 FUEL TANK AFT ACCESS COVER AND TANK ENTRY PROCEDURE

FUEL STORAGE SYSTEM

Reference Material

Line Maintenance Access Doors	A1-F18AC-LMM-010
Environmental Control Systems	A1-F18AC-410-300
Bleed Air Forward Dorsal Duct Assembly	WP011 00
Fuel System	A1-F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tube Coupling Inspection	WP013 01
Fuel Tank Access Fitting Floating Nut Repair	WP035 00
No. 4 Fuel Tank Fuel Quantity Transmitter	WP167 00
Line Maintenance Procedures	A1-F18AC-LMM-000
Structural Hardware	NAVAIR 01-1A-8
Structure Repair- General Information	A1-F18AC-SRM-200
Aircraft Corrosion Control	A1-F18AC-SRM-500
Plane Captain Manual	A1-F18AC-PCM-000

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Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 024	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 IAFC 017 Part 1 and Part 2	19 Jul 84	Fuel System Tank No. 4 Fuel Transfer Manifold, Modification of (ECP MDA F/A- 18-00084R1)	1 Jun 84	-

1. NO. 4 FUEL TANK AFT ACCESS COVER.

2. REMOVAL AND INSTALLATION.

Support Equipment Required

Part Number or Type Designation

Nomenclature

Torque Wrench, 0 to 120 Inch-Pounds

Materials Required

Nomenclature
Packing (8)
Packing (4)
Petrolatum, Technical

3. Removal.

- a. Defuel aircraft (A1-F18AC-PCM-000).
- b. Observe applicable fuel tank maintenance precautions (WP013 00).
- c. Remove doors 31, 40, 43 and 49 (A1-F18AC-LMM-010).

CAUTION

To prevent damage to Aft Waveguide Segment, do not come in contact with, or apply pressure to, Aft Waveguide Segment. Be careful when on dorsal deck not to damage Aft Waveguide Segment.

Bleed air leak detector performance will be degraded if the detector sensing element is kinked or crushed. To avoid damaging the detector sensing element, do not form a bend radius of less than 0.5 inch.

d. Remove bleed air forward dorsal duct assembly (A1-F18AC-410-300, WP011 00).

- e. Disconnect clamps (3 and 4, figure 1) and secure sensing elements (1) away from access cover (26, detail C).
- f. Remove clamp (7, detail A), bolt (8) and attaching parts.
- g. Remove couplings (6), tube (9) and packaging (5).
- h. Remove clamps (13 and 20, detail B) and attaching parts and secure cable assemblies clear of access cover (26, detail C).
- i. Remove couplings (15, detail B), tubes (17 and 19) and packings (14).



Use Caution when handling Access Cover. Damage to Fuel Quantity Transmitter Seal and/or Tank Access Cover Seal will require replacement of access cover.

- j. Remove no. 4 fuel tank fuel quantity transmitter (WP 167 00).
- k. Remove bolts (21, detail C), washers and access cover (26).
- 1. If fuel tank access fitting floating nuts are damaged, repair (WP035 00).
 - m. Inspect access cover (26) (paragraph 4).

4. Installation.

CAUTION

To prevent damage to Aft Waveguide Segment, do not come in contact with, or apply pressure to, Aft Waveguide Segment. Be careful when on dorsal deck not to damage Aft Waveguide Segment.

a. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01).

NOTE

For description of overcenter latch type couplings, see WP013 00.

b. Inspect all accessible overcenter latch type couplings (W901F, W904F, W901K and W904K) before installing access cover per substeps below: (QA)

- (1) Make sure spring locked is securely locked in detent position to prevent rotation of the latch handle to open.
- (2) Lightly apply lifting pressure to latch handle. Latch should remain closed.
- (3) Make sure coupling holding tube or component is secure.
- c. Remove protective pad and any foreign objects. (QA)





Technical Petrolatum, VV-P-236

1

d. Lubricate all new packings and access cover seal with petrolatum.

CAUTION

Use Caution when handling Access Cover. Damage to Fuel Quantity Transmitter Seal and/or Tank Access Cover Seal will require replacement of access cover.

e. Prepare mating surfaces of access cover (26, figure 1, detail C) and dorsal deck for electrical bonding (A1-F18AC-LMM-000).

CAUTION

To prevent damage to fuel tank access fitting, extra AN960JD416 washers must be used when NAS6604-15 bolts are installed.

- f. Position access cover (26) and install bolts (26) and washers per substeps below: (QA)
- (1) Inspect access cover bolts (21) and fuel tank access fitting floating nuts for burrs, damaged threads or foreign material which could cause inaccurate torque readings. Repair damaged access fitting floating nuts (WP035 00).
- (2) If new fuel tank was installed, loosen dorsal deck access cover ring bolts (figure 2) before installing cover (26, figure 1).

- (3) Install all bolts in sequence (figure 2) and lightly snug up all bolts by hand or wrench, as required.
- (4) Torque all bolts to 40 inch-pounds in sequence (figure 2).
- (5) If new fuel tank was installed, torque dorsal deck access cover ring retaining bolts (figure 2) 50 to 70 inch-pounds.
- (6) Final torque all bolts 50 to 70 inch-pounds in sequence (figure 2).
 - g. Install packings (14, detail B).
- h. Position tubes (17 and 19) and install couplings (14).
- i. Position cable assemblies and install clamps (13 and 20) and attaching parts.
 - j. Install packings (5, detail A).
 - k. Position tube (9) and install couplings (6).
 - 1. Install clamp (7), bolt (8) and attaching parts.
- m. On 161353 THRU 163102, install clamp (7), spacer (12), bolt (8) and attaching parts.
- n. Install no. 4 fuel tank fuel quantity transmitter (WP167 00). Do not install doors 31, 40, 43, and 49.
- o. Position sensing elements (1) and close clamps (3 and 4).
- p. Install bleed air forward dorsal duct assembly (A1-F18AC-410-300, WP011 00).

NOTE

Because additional fuel system testing after installation of access cover could require a second cover removal, installation and leak test, the leak test should be done after all other fuel system tests are complete.

- q. Do access cover leak test (paragraph 6). If other fuel system tests are required after installation of access cover, do access cover leak test last.
- r. Install doors 31, 40, 43 and 49 (A1-F18AC-LMM-010).

5. Inspection.

- a. Visually inspect all parts for corrosion, damage or wear.
- b. Inspect platenuts for stripped or cross threads and replace (paragraph 6).
- c. Inspect for loose or missing rivets and replace as required (NAVAIR 01-1A-8).
- d. Inspect access cover (26, detail C) for loose or missing paint and repair (A1-F18AC-SRM-500).

6. ACCESS COVER LEAK TEST. (QA)

Support Equipment Required

None

Materials Required

Specification or Part Number

Nomenclature

CCC-C-440,

Cheesecloth

Type 1, Class 1 (CAGE 81348)

MIL-L-25567,

Leak Test Compound

Type 1, (CAGE 81349)

7. Procedure.

NOTE

Because additional fuel system testing after installation of access cover could require a second cover removal, installation and leak test; the leak test should be done after all other fuel system tests are complete.

- a. Refuel aircraft (A1-F18AC-PCM-000).
- b. Hook up proximity switch control unit (A1-F18AC-LMM-000).
- c. Set switches on proximity switch control unit as listed below:
 - (1) LEFT GEAR WT OFF WHL
 - (2) NOSE GEAR NORM
 - (3) RIGHT GEAR NORM
- d. Operate APU in ECS test mode (A1-F18AC-LMM-000).





Leak Test Compound, MIL-L-25567, Type 1

2

- e. Apply leak test compound to access cover bolts and between access cover (26) and dorsal deck. Inspect for leaks.
 - f. Shut down APU (A1-F18AC-LMM-000).
- g. Remove proximity control unit (A1-F18AC-LMM-000).
- h. Wipe leak test compound from access cover with clean cheesecloth.

8. REPAIR.

NOTE

Disassemble only enough to replace defective parts.

9. Platenuts.

Support Equipment Required

None

Materials Required

None

- a. Remove and install platenuts (NAVAIR 01-1A-8).
- b. Fay seal periphery of platenut and mating surface (A1-F18AC-SRM-200).
- c. Touch up loose or missing paint (A1-F18AC-SRM-500).
- 10. **Bracket Assembly**. (22 or 23, figure 1, detail C).

Support Equipment Required

None

Materials Required

None

11. Removal.

a. Observe applicable fuel tank maintenance precautions (WP013 00).

- b. Remove access cover (26) per paragraph 2.
- c. Remove rivets (NAVAIR 01-1A-8) and remove bracket assembly (22 or 23).

12. Installation.

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
- b. Position bracket assembly (22 or 23) and wet install rivets (NAVAIR 01-1A-8).
 - c. Install access cover (26) (paragraph 3).
- 13. **ADAPTERS**. (24 or 27, figure 1, detail C).

Support Equipment Required

None

Materials Required

Specification or Part Number Nomenclature MS29513-015 Packings (2) MS29513-117 Packings (3) MS29513-214 Packing VV-P-236 (CAGE 81348) Technical Petrolatum

14. Removal.

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
 - b. If removing adapter (24), do substeps below:
- (1) If applicable, remove coupling (15, detail B) (WP013 00).
- (2) Remove adapter (24), attaching parts and all old packings.
 - c. If removing adapter (27), do substeps below:
- (1) If applicable, remove coupling (6, detail A) (WP013 00).
- (2) Remove adapter (27), attaching parts and all old packings.

15. Installation.

a. Observe applicable fuel tank maintenance precautions (WP013 00).





Technical Petrolatum, VV-P-236

1

- b. Lubricate packings with petrolatum.
- c. Prepare mating surfaces of access cover (26, detail C), adapter (24 or 27), and attaching parts for electrical bond (A1-F18AC-LMM-000).
 - d. If installing adapter (24), do substeps below:
- (1) Install packing on adapter (24) and install adapter (24) and attaching parts.
- (2) If applicable, install packings (14, detail B) and inspect and install coupling (15) (WP013 00).
 - e. If installing adapter (27), do substeps below:
- (1) Install packing on adapter (27) and install adapter (27) and attaching parts.
- (2) If applicable, install packings (5, detail A) and inspect and install coupling (6) (WP013 00).

16. NO. 4 FUEL TANK ENTRY PROCEDURE.

Support Equipment Required

None

Materials Required

Specification or Part Number	Nomenclature
VV-P-236 (CAGE 81348)	Technical Petrolatum
MS29513-230	Packing (12)

17. REMOVAL.

- a. Do general preparation for removal (WP013 00).
- b. Remove clamp (5, figure 3, detail A) and attaching parts.
- c. Mark tubes (3 and 4) with forward arrow to aid placement on reinstallation.

- d. Remove couplings (2), tubes (3 and 4) and packings (1).
- e. On 161353 THRU 161761 AFTER F/A-18 IAFC 017 Part 2, remove bolts (8, 14 and 16, detail B), fuel duct assembly (10) with tube (12), packings (13) and attaching parts.
- f. On 161353 THRU 161761 BEFORE F/A-18 IAFC 017 Part 2, remove tube (20 or 23, detail B), couplings (19 or 24), packings (18 or 22) and attaching parts.

18. INSTALLATION.

a. Do general preparation for component installation (WP013 00).





Technical Petrolatum, VV-P-236

- 1
- b. Lubricate new packings with petrolatum.
- c. On 161353 THRU 161761 AFTER F/A-18 IAFC 017 Part 2, do substeps below:
- (1) Prepare fuel duct assembly (10) and attaching parts for electrical bond (A1-F18AC-LMM-000).
- (2) Install packings (13, detail B), tube (12), fuel duct assembly (10), electrical lead (9), bolts (8, 14 and 16) and attaching parts.

- d. On 161353 THRU 161761 BEFORE F/A-18 IAFC 017 Part 2, do substeps below:
- (1) Prepare tube (20 or 23) and attaching parts for electrical bond (A1-F18AC-LMM-000).



To prevent binding of tube (23) install coupling (24) first then attaching parts.

- (2) Install packings (22), tube (23), coupling (24) (WP013 00) and attaching parts or install packings (18), tube (20) and couplings (19) (WP013 00).
- e. Install tubes (3 and 4, detail A) (arrow marked on tubes must point forward). Install packings (1) and couplings (2) (WP013 00).
 - f. Install clamp (5, detail A) and attaching parts.
- g. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01). (QA)
- h. Install no. 4 fuel tank aft access cover per paragraph 4.

19. ILLUSTRATED PARTS BREAKDOWN.

20. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

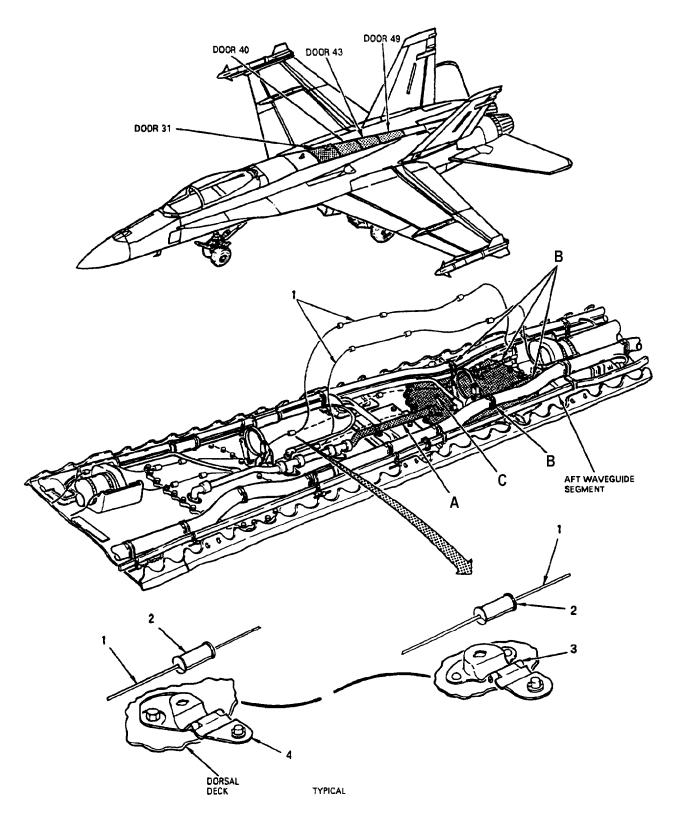
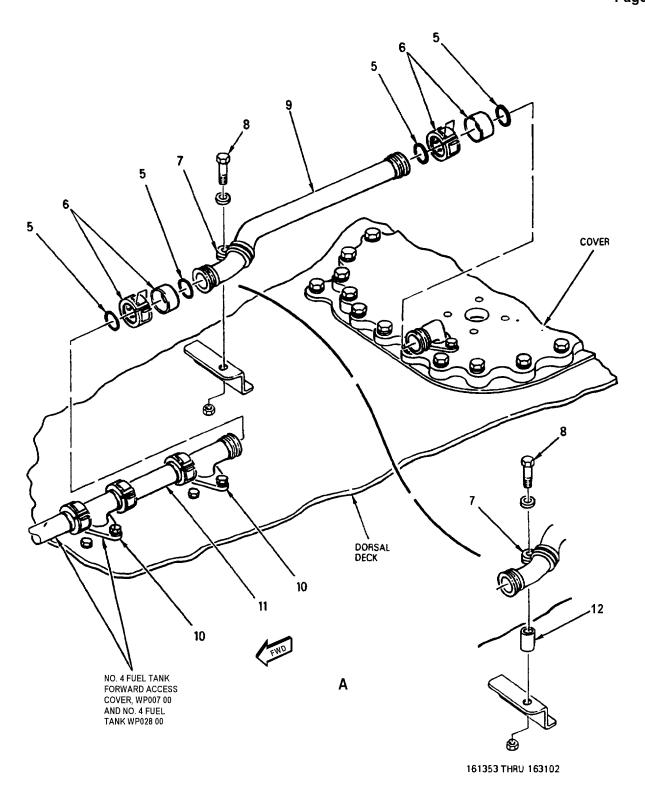


Figure 1. No. 4 Fuel Tank Aft Access Cover (Sheet 1)



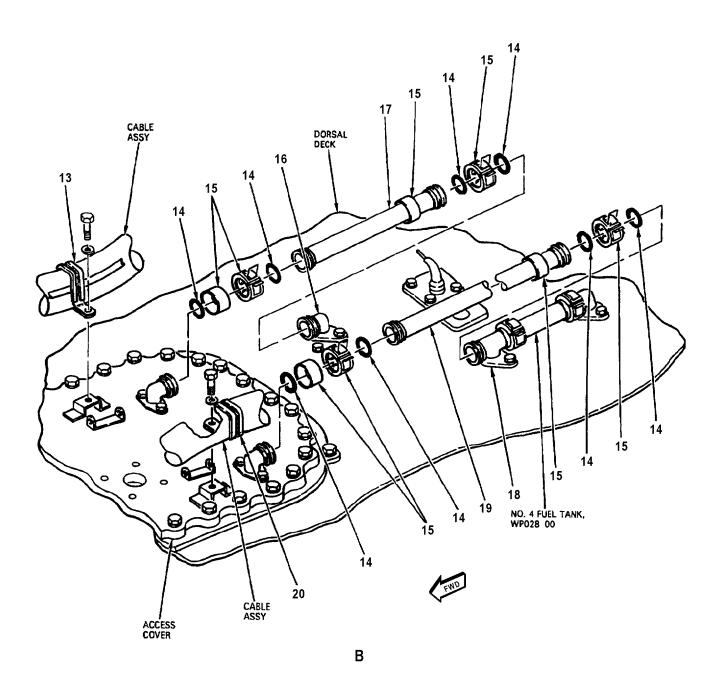
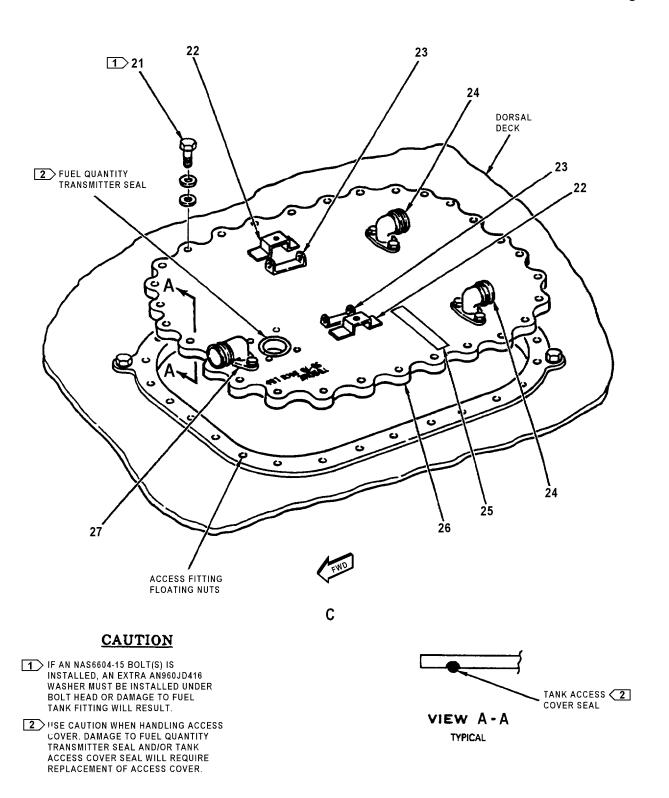


Figure 1. No. 4 Fuel Tank Aft Access Cover (Sheet 3)



00800104

	T	T			
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	•	NO. 4 FUEL TANK AFT ACCESS COVER			
1	3151-12-600/325-12	DETECTOR, FIRE, OVERHEAT - FWD DORSAL (FWD DORSAL DUCT SENSING ELEMENT) (25693) (MCDONNELL SPEC 74-830075-245) (24U-P005 AND 24U-R004)	2		PAOZZ
2	3106	ADAPTER - CLAMP, SENSOR, LEAK	AR		PAOZZ
3	7C1-4	. CLAMP, LOOP (71286) (MCDONNELL	AR		PAOZZ
4	7C31-1AA	CLAMP, QUICK RELEASE (71286)(MCDONNELL SPEC ST9M632S4)	AR		PAOZZ
5	MS29513-117	. PACKING	4		PAOZZ
6	W901K12DE	. COUPLING CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-12D) (INCLUDES SLEEVE)	2		PAOZZ
	14J12-12A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-12D) (INCLUDES SLEEVE)	2		PAOZZ
	W901F12DE	. COUPLING CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-12D) (INCLUDES SLEEVE)	2	*	PAOZZ
7	M85052/1-12	. CLAMP	1		PAOZZ
8	NAS673V15	. BOLT (AP)	1	E	PAOZZ
	NAS673V2	. BOLT (AP)	1	F	PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	A11144-7-3	NUT, CLIP (AP) (72962) (MCDONNELL SPEC ST3M523C3M)	1	*	PAOZZ
	130091	. SEE ABOVE (76530)	1	*	PAOZZ
9	74A586458-1005	TUBE ASSEMBLY, METAL - DORSAL VENT, Y473 TEE TO Y500 ELB (76301)	1	Е	PAOZZ
	74A586458-1003	TUBE ASSEMBLY, METAL - DORSAL VENT, Y473 TEE TO Y500 ELB (76301)	1	E*	PAOZZ
	74A586458-1007	SEE ABOVE	1	F	PAOZZ
10	74A586404-2001	TEE, TUBE - VENT, FUEL BAY FLOOR,	2		PAOZZ
	NAS674V5	BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
	MS29513-214	PACKING (USE WITH INDEX 10)	1		PAOZZ
11	74A586463-1005	TUBE ASSEMBLY, METAL - DORSAL VENT, Y473 TEE TO Y482 TEE (76301)	1		PAOZZ
	74A586463-1003	TUBE ASSEMBLY, METAL - DORSAL VENT, Y473 TEE TO Y482 TEE (76301)	1	*	PAOZZ
12	NAS43DD3-48	SPACER	1	E	PAOZZ
13	M85052/3-16	CLAMP	1	A	PAOZZ
	M85052/3-21	CLAMP	1	В	PAOZZ
	NAS673V2	BOLT (AP)	1		PAOZZ
1.4	AN960JD10L	. WASHER (AP)	1		PAOZZ
14	MS29513-015 W901K8DE	COUPLING CLAMP, GROOVED (79326)	8		PAOZZ
15	W9UIK6DE	(MCDONNELL SPEC 7M765-8D) (INCLUDES SLEEVE)	4		PAOZZ
	14J12-8A	. COUPLING, CLAMP, GROOVED(24984) (MCDONNELL SPEC 7M765-8D) (INCLUDES SLEEVE)	4		PAOZZ
	W901F8DE	. COUPLING, CLAMP, GROOVED	4	*	PAOZZ
16	74A586255-2001	. ELBOW, TUBE - 0.50 IN LINE, VENT FUEL SYSTEM (76301)	1		PAOZZ

Figure 1. No. 4 Fuel Tank Aft Access Cover (Sheet 5)

_	1	1			
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
17	74A586459-1005	. TUBE ASSEMBLY, METAL - DORSAL VENT, Y511 ELB TO Y523 ELB (76301) (REPLACES 74A586459-1001 AND 74A586459-1003)	1		PAOZZ
	74A586459-1003	SEE ABOVE (REPLACES 74A586459-1001)	1	*	PAOZZ
	74A586459-1001	TUBE ASSEMBLY, METAL - DORSAL VENT, Y511 ELB TO Y523 ELB (76301) (USE UNTIL EXHAUSTED)	1	*	PAOZZ
18	74A586407-2001	TEE, TUBE - 1/2 IN LINE, FUEL VENT SYSTEM (76301)	1		PAOZZ
19	74A586460-1007	TUBE ASSEMBLY, METAL - DORSAL	1		PAOZZ
	74A586460-1005	SEE ABOVE (REPLACES 74A586460-1003)	1	*	PAOZZ
	74A586460-1003	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	*	PAOZZ
20	M85052/3-12	. CLAMP	1	Α	PAOZZ
	M85052/3-17	. CLAMP	1	C	PAOZZ
	M85052/3-21	. CLAMP	1	D	PAOZZ
	NAS673V2	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
21	NAS6604-14	. BOLT	28		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 21)	28		PAOZZ
22	74A885602-1009	BRACKET ASSY (76301)	2		XBOOO
	MS20470AD3 #	. RIVET (AP)	4		-
	MS21059L3	. NUT, SELF-LOCKING, PLATE (USE WITH INDEX 22)	1		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
	74A885602-2009	. BRACKET, ELECTRICAL (USE WITH INDEX 22)	1		MGOZZ
23	74A837065-2003	. BRACKET, CLAMP - DUCT BLEED AIR (76301)	2		XBOZZ
	MS20470E6 #	. RIVET (AP)	2		-
24	74A586256-2001	. ADAPTER, VENT TUBE - 1/2 IN LINE, FUEL VENT SYSTEM (76301)	2		PAOZZ
	NAS674V9	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
	MS29513-117	PACKING (USE WITH INDEX 25)	2		PAOZZ
25	74A586555-2005	PLATE, IDENTIFICATION - FUEL SYSTEM (76301)	1		MDOZZ
26	74A321421-1045	COVER, ACCESS - FUEL BAY (NO. 4	1		PAOOG
	74A321421-1029	. COVER, ACCESS - FUEL BAY (NO. 4 FUEL TANK AFT ACCESS COVER) (76301)	1	*	PAOOG
	F52673-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M726C4M) (USE WITH INDEX 27)	10	*	PAOZZ
	NS202725-4	. SEE ABOVE (80539)	10	*	PAOZZ
	BSN726C4M	. SEE ABOVE (27238)	10	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
27	74A586403-2001	. ADAPTER, VENT TUBE - FUEL BAY FLOOR, UPPER (DORSAL DECK) (76301)	1		PAOZZ
	NAS674V9	. BOLT (AP)	2		PAOZZ
	AN960JD416L	WASHER (AP)	2		PAOZZ

Figure 1. No. 4 Fuel Tank Aft Access Cover (Sheet 6)

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INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
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LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

CODE	USABLE ON	MODEL
A	161353 THRU 161528	F/A-18A
В	161354 THRU 161357, 161360, 161702 & UP	F/A-18A-B
C	161702 & UP	F/A-18A
D	161354 & UP	F/A-18B
E	161353 THRU 163102	F/A-18A/B
F	163103 & UP	F/A-18A/B

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

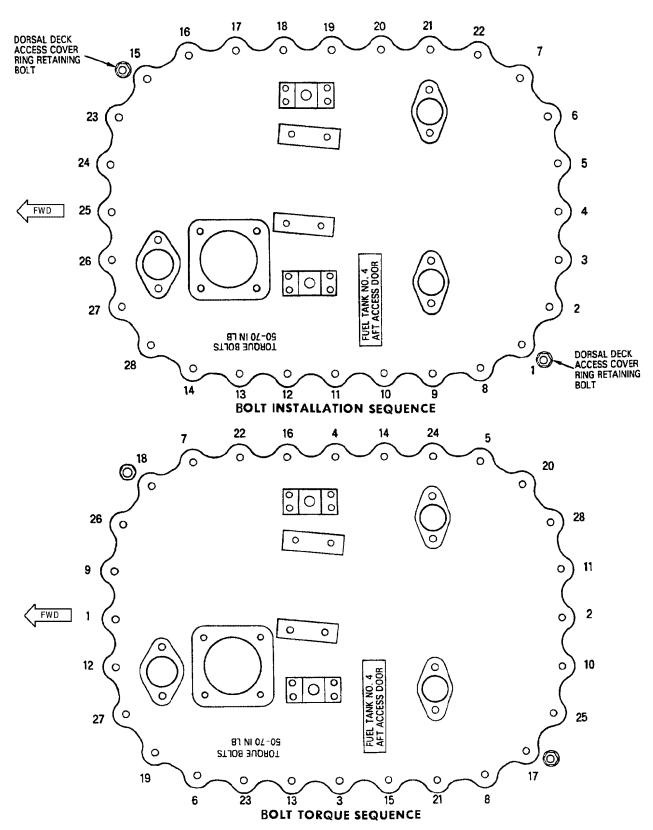
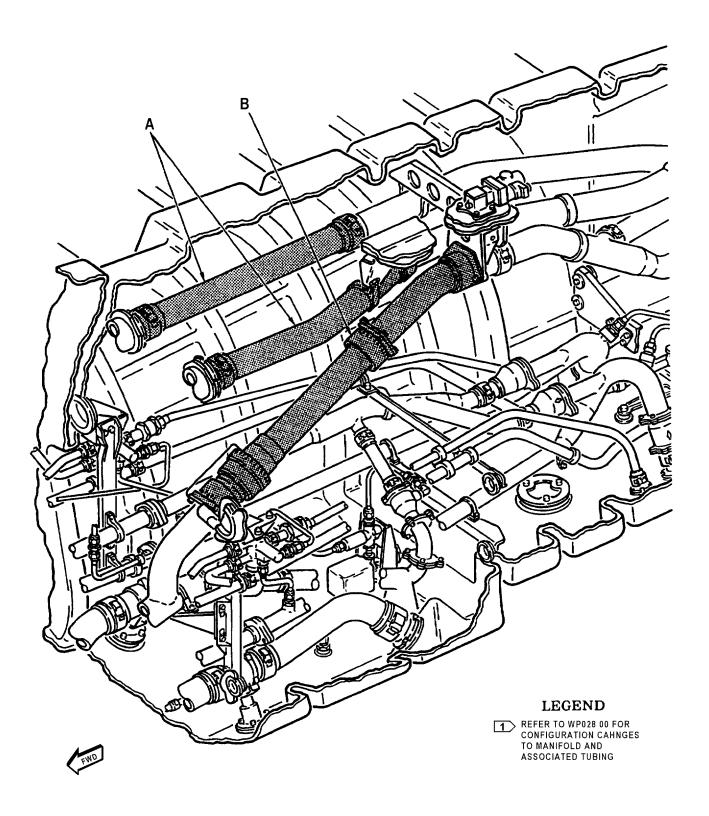


Figure 2. No. 4 Fuel Tank Aft Access Cover Bolt Installation and Torque Sequences



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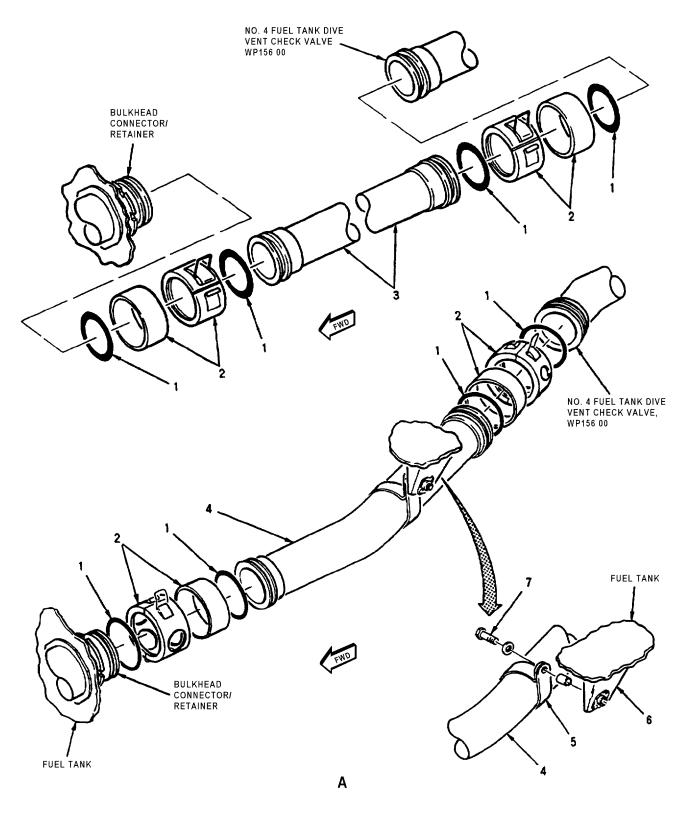


Figure 3. No. 4 Fuel Tank Entry Procedure (Sheet 2)

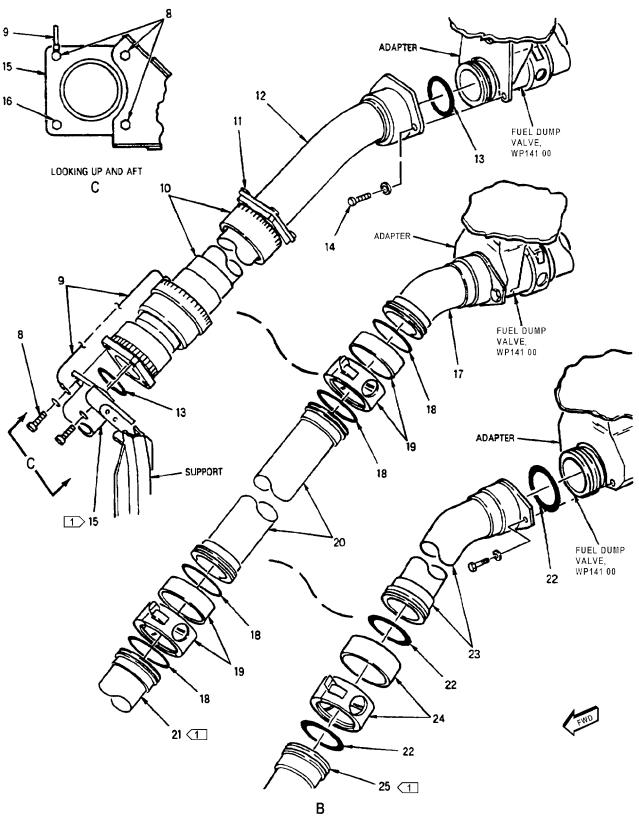


Figure 3. No. 4 Fuel Tank Entry Procedure (Sheet 3)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 4 FUEL TANK ENTRY PROCEDURE			
1	MS29513-230	PACKING	8		PAOZZ
2	W901K40DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	4	*	PAOZZ
	14J12-40A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	4	*	PAOZZ
3	74A586464-1007	TUBE ASSEMBLY, METAL - CLIMB	1		PAOZZ
4	74A586467-1009	. TUBE ASSEMBLY METAL - MAIN VENT, Y490 TO Y516 (76301) (REPLACES 74A586467-1007)	1		PAOZZ
5	JM44LC33WD40	. CLAMP, LOOP (22175) (MCDONNELL SPEC ST9M630D40)	1		PAOZZ
6	74A586429-1053	BRACKET ASSY (76301)	1		XBOOO
	MS21060L3	. NUT, PLATE (USE WITH INDEX 6)	1		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
7	NAS673V14	. BOLT	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 7)	1		PAOZZ
	NAS43DD3-48	. SPACER (USE WITH INDEX 7)	1		PAOZZ
8	NAS674V5	. BOLT	3	Α	PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 8)	3		PAOZZ
9	MS25083-7BC10	. LEAD, ELECTRICAL	1	Α	PAOZZ
	MS16995-35	. SCREW (AP)	1		PAOZZ
10	AE83974T	. FUEL DUCT ASSEMBLY (00624) (MCDONNELL SPEC 74-580105-101)	1	A	PAOZZ
	MS29513-230	. PACKING (USE WITH INDEX 10)	1		PAOZZ
11	NAS674V4	. BOLT	4	A	PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 11)	4		PAOZZ
12	74A586484-1009	. TUBE ASSEMBLY, METAL - FUEL DUMP, Y495 TO VALVE (76301)	1	A	PAOZZ
13	MS29513-230	. PACKING	2	A	PAOZZ
14	NAS674V4	. BOLT	2	Α	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 14)	2		PAOZZ
15	74A586482-1017 @	. MANIFOLD, FLUID, AIRCRAFT - FUEL TRANSFER, TANK NO. 4 (76301)	1	Α	PAOZZ
16	NAS674V4	. BOLT	1	Α	PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 16)	1		PAOZZ
17	74A586484-1007 Ø	. TUBE ASSEMBLY, METAL - FUEL DUMP, Y495 TO VALVE (76301)	1	В	PAOZZ
	NAS674V3	. BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
18	MS29513-230 Ø	PACKING	4	В	PAOZZ
19	W901K40DE ∅	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	2	В*	PAOZZ
	14J12-40A Ø	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	2	B*	PAOZZ

Figure 3. No. 4 Fuel Tank Entry Procedure (Sheet 4)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER	USE ON	SM&R CODE
	1102211	1 2 3 4 5 6 7	ASSY	CODE	0001
20	74A586484-1005 Ø	. TUBE ASSEMBLY, METAL - FUEL DUMP, Y495 TO VALVE (76301) (TUBE ASSY LOWER)	1	В	PAOZZ
21	74A586482-1007 Ø	. MANIFOLD, FLUID, AIRCRAFT - FUEL TRANSFER, TANK NO. 4 (76301)	1	В	PAOZZ
22	MS29513-230 ¢	. PACKING	3	В	PAOZZ
23	74A586484-1001 ¢	. TUBE ASSEMBLY, METAL - FUEL DUMP, Y495 TO VALVE (76301) (REPLACED BY 74A586484-1005 AND 74A586484-1007)	1	В	XBOZZ
	NAS673V3	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
24	W901K40DE ¢	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	1	B*	PAOZZ
	14J12-40A ¢	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	1	B*	PAOZZ
25	74A586482-1005 ¢ @	. MANIFOLD, FLUID, AIRCRAFT FUEL TRANSFER, TANK NO. 4 (76301)	1	В	XBOZZ
		* ALTERNATE OR EQUIVALENT PARTS. (WP002 00)			
		¢ THESE PARTS MAY BE REPLACED BY PARTS CODED \emptyset .			
		Ø THESE PARTS WHEN USED TOGETHER REPLACE PARTS CODED ¢. PARTS CODED ¢ SHALL NOT BE USED TO REPLACE PARTS CODED Ø.			
		@ REFER TO WP 028 00 FOR CONFIGURATION CHANGES TO MANIFOLD AND ASSOCIATED TUBING.			
		# LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.			

CODE	USABLE ON	MODEL
A	161983 AND UP; ALSO 161353 THRU 161982 AFTER F/A-18 IAFC 017 PART 1 AND PART 2	F/A-18A/B
В	161353 THRU 161982 BEFORE F/A-18 IAFC 01 PART 1 AND PART 2	F/A-18A/B

Figure 3. No. 4 Fuel Tank Entry Procedure (Sheet 5)

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB VENT TANK ACCESS COVER FUEL STORAGE SYSTEM

Reference Material

Line Maintenance Procedures	A1-F18AC-LMM-000
Powerplant and Related Systems	
Removal and Installation - Engine	WP003 00
Fuel System	
Fuel Tank Maintenance Precautions and General Preparation	WP013 00

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Vent Tank Access Cover Torque Seguence Figure 2	5

Record of Applicable Technical Directives

None

Support Equipment Required

Part Number or Type Designation

Nomenclature

Torque Wrench,

0 to 120 Inch-Pounds

- Brush (1/4 to 1/2 Inch Paint Type)

Materials Required

Specification or Part Number

Nomenclature

NAS654V16 (or equivalent)

Bolt (2)

1. REMOVAL.

- a. Remove left engine (Al-F18AC-270-300, WP003 00).
- b. Observe applicable fuel tank maintenance precautions (WP013 00).
- c. Remove bolts (1, figure 1), washers (2) and outer access cover (3).

CAUTION

Use Caution when handling Access Cover. Damage to Tank Access Cover Seal will require replacement of access cover.

Two NAS654V16 bolts must be used to prevent vent tank inner access cover from dropping and damaging tank when inner access cover bolts are removed.

- d. Remove two bolts (4) and secure inner access cover (5) by installing two NAS654V16 bolts.
 - e. Remove remaining bolts (4).
 - f. Push in on inner access cover (5).
- g. Hold inner access cover (5) while removing NAS674V16 bolts. Remove inner access cover.

2. INSTALLATION.

a. Inspect for and remove any foreign objects. (QA)

WARNING

To maintain fire zone integrity, make sure covers are correctly secured.



Use Caution when handling Access Cover. Damage to Tank Access Cover Seal will require replacement of access cover.

Two NAS654V16 bolts must be used to prevent vent tank inner access cover from dropping and damaging tank when inner access cover is installed.

- b. Install and secure inner access cover (5, figure 1) with two NAS654V16 bolts.
- c. Install two bolts (4). Torque bolts 50 to 70 inch-pounds. (QA)
 - d. Remove NAS654V16 bolts.
- e. Install remaining bolts (4). Torque bolts 50 to 70 inch-pounds. (QA)
- f. Prepare outer access cover (3) attaching parts for electrical bond (A1-F18AC-LMM-000).
- g. Install outer access cover (3) with bolts (1) and washers (2). Torque bolts 50 to 70 inch-pounds in sequence per figure 2. (QA)
- h. Install left engine (A1-F18AC-270-300, WP003 00).

3. ILLUSTRATED PARTS BREAKDOWN.

4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

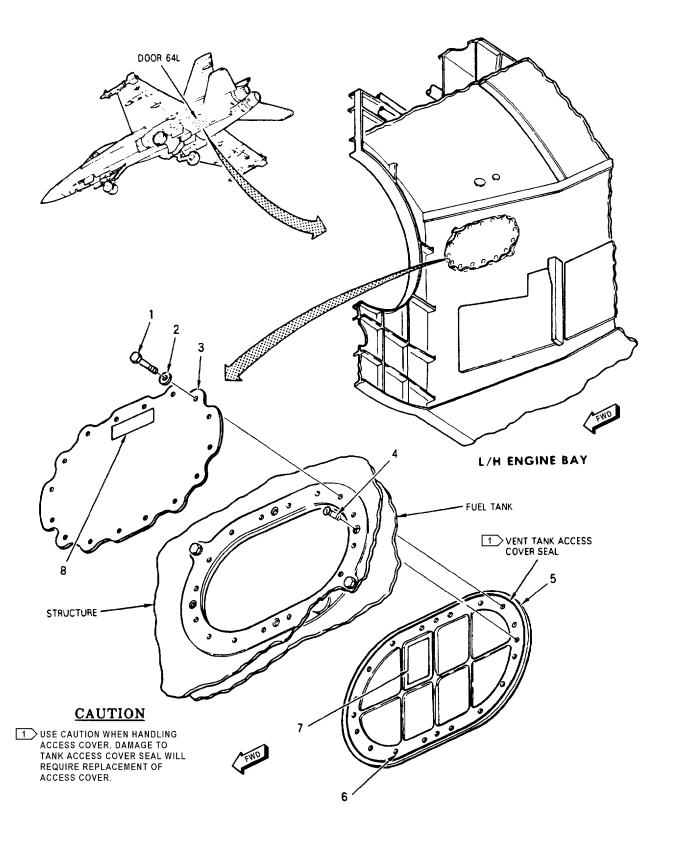
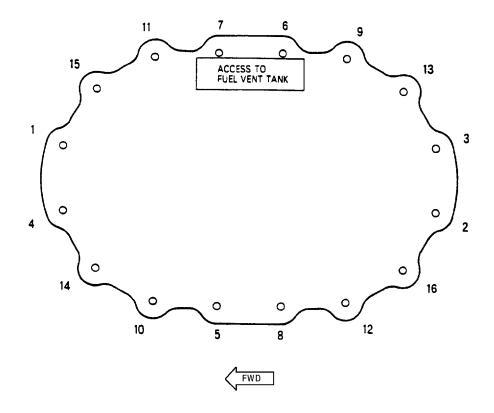


Figure 1. Vent Tank Access Cover (Sheet 1)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		VENT TANK ACCESS COVER			
1	NAS6704U10	. BOLT	16		PAOZZ
2	AN960C416L	. WASHER	16		PAOZZ
3	74A332554-1001	. COVER, ACCESS FUEL VENT TANK (OUTER) (VENT TANK ACCESS COVER) (76301)	1		XBOZZ
4	HT4054-4-6A	. SCREW, CLOSE TOLERANCE (73197) (MCDONNELL SPEC ST3M730-4L6)	4		PAOZZ
5	74A586540-1001	. COVER, ACCESS VENT TANK FUEL (INNER) (VENT TANK ACCESS COVER) (76301)	1		XBOOD
6	MS21209F4-15	. INSERT	20		PAOZZ
7	74A586555-2011	. PLATE, IDENTIFICATION - FUEL	1		MDOZZ
8	74A586555-2009	PLATE, IDENTIFICATION - FUEL SYSTEM (OUTER) (ACCESS TO FUEL VENT TANK) (76301)	1		MDOZZ



009002

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

GROUND SUPPORT EQUIPMENT

FUEL STORAGE SYSTEM

Reference Material

Fuel System	F18AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Inflight Refueling Probe Assembly	WP076 00
Inflight Refueling Probe and Door Drive Mechanism	WP077 00
Inflight Refueling Probe Rigging	WP088 00
Aircraft Fuel Cells and Internal/External Tanks	WAIR 01-1A-35

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Personnel Safety Harness	3
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Support Equipment Required	2

Record of Applicable Technical Directives

Support Equipment Required

Part Number or Type Designation

Nomenclature

External Air Source

Materials Required

None

1. GROUND SUPPORT EQUIPMENT.

2. COMBUSTIBLE AND TOXIC GAS INDICATOR. (Figure 1, Index 5, Detail D)

- a. Drain, dry and purge fuel tank per WP013 $\,00$ and NAVAIR $\,01\text{-}1A\text{-}35$.
- b. Set LEL-PPM switch to LEL(out) position with black indicator showing, and OXY/LEL switch to LEL(out) position.
- c. Press POWER switch, orange indicator dot on switch will show indicator is on.
- d. Press BATT CK switch and observe meter indicator. If indicator is below BATT CHECK mark on meter, or buzzer sounds continuously, recharge battery.
- e. Allow indicator to warm up until meter stabilizes (1 to 2 minutes). If alarm sounds, turn OXY CAL knob clockwise.
- f. Put hose inlet in normal air and adjust meter to indicate 0 with ZERO knob.
- g. Set OXY/-PPM/LEL switch to OXY (in) position, orange indicator on switch will verify correct position.
- h. Adjust meter to indicate the 0_2 CAL mark (21%-normal) with OXY CAL knob.
- i. Inspect indicator operation by holding hose inlet in mouth and breathing out allowing indicator to sample the expired air. Reading on oxygen scale should

come down to approximately 16% and alarm should sound at 19%. Allow meter to return to 21%.

NOTE

Blinking red light/alarm indicates combustible gas above 20% LEL or 100 ppm.

Pulsed amber light/alarm indicates oxygen content has dropped below 19.5%.

- j. Set OXY/-PPM/LEL switch to PPM/LEL (out) position and inspect all corners of fuel tank atmosphere. See NAVAIR 01-1A-35 for safe indication.
- k. Set PPM/LEL switch to PPM (in) position and zero carefully with ZERO knob. Immediately inspect all corners of fuel tank atmosphere. Safe gas indication is 0 100 ppm on meter.
- l. Instrument will automatically test for oxygen and will give pulsed amber light/alarm if oxygen content drops below 19.5%. See NAVAIR 01-1A-35 for safe indication.
- m. If instrument indicates unsafe combustible gas or oxygen levels, purge tank until within safe level.
- 3. **FUEL TANK PROTECTION/INSTALLATION PAD SET.** (Figure 1, Index 1, Detail A) Lay correct pad, as marked, in correct position on fuel tank floor.
- 4. **PERSONNEL ELECTRONIC COMMUNICATOR.** (Figure 1, Index 3, Detail B)
- a. Connect wire from each ear plug into control box receptacles.
- b. Safety observer to wear control box on belt. Install one ear plug.
 - c. Fuel tank worker install other ear plug.
 - d. Turn power switch ON.
- e. Safety observer controls two-way communication by push-to-talk switch located on communicator unit.

- 5. **PERSONNEL SAFETY HARNESS.** (Figure 1, Index 4, Detail C)
 - a. Fuel Tank Worker:
- (1) Adjust harness under approved cotton coveralls.
 - (2) Attach wrist attachment and secondary tether.
- (3) Enter fuel tank with safety observer outside tank holding end of main tether.
 - b. Safety Observer:
- (1) If worker shows effects of toxicity, extract worker with main tether.
- (2) As worker is raised toward access door, pull secondary tether to raise arm above head.
 - (3) Turn worker's head to side and hold erect.
- (4) Raise worker through access door with main tether and harness handle.
- 6. **BULKHEAD NUT ADAPTER SET**. (Figure 1, Index 6 or 7, Details E and F)
- a. Install adapter on bulkhead nut so tangs engage slots on nut.
- b. Insert drive or torque wrench into socket and loosen or tighten bulkhead nut.
- 7. **FUEL CELL REMOVAL/INSTALLATION GROM- MET SET.** (Figure 1, Index 2, Detail A) Snap grommet into position on access cover.
- 8. **FUEL TANK REMOVAL/INSTALLATION TOOL SETS**. (Figure 1, Index 8 and 9, Detail G)
- a. After fuel tank bulkhead nuts and packings are removed and lacing cords are cut, pry tank off bulkhead fittings using applicable yoke as required.
- b. Pry fuel tank loose from cavity floor using wedge between tank and cavity.
- c. Position barrier material and/or covers between fuel tank and protruding type bulkhead connectors to prevent fuel tank from springing back over bulkhead fittings.

- d. When installing fuel tank, a tank button adjuster (9) may be used to move tank into proper position over appropriate structure receptacle. Tank corner adjuster (index 9) can be used to push and hold top of tank in position while attaching lacing cords.
- 9. FUEL TANK STRAP AND RATCHET AS-SEMBLIES. (Figure 1, Index 12 and 13, Detail N)
- a. Position straps around fuel tank and handtighten to remove excess slack.

NOTE

Spool on ratchet is slotted. Strap should be threaded through slot for proper ratchet operation.

- b. Thread loose end of strap through buckle receptacle and through spool.
- c. Slide ratchet down strap until ratchet contacts strap buckle and pull excess strap through spool.
 - d. Remove ratchet after tightening strap.
- e. Straps may be repositioned on tank after tightening using notches on tank strap positioner in Fuel Tank Removal/Installation Tool Sets (Figure 1, Index 8 and 9, Detail G).
- 10. **IFR PROBE PIN PULLER**. (Figure 1, Index 11, Detail H) See WP077 00.
- 11. **IFR PROBE POSITION LOCATOR TEM- PLATE**. (Figure 1, Index 11, Detail K) See WP088
 00
- 12. SWIVEL PROTECTIVE CAP. (Figure 1, Index
- 10, Detail J) See WP076 00.
- 13. **PERSONNEL COOLING UNIT**. (Figure 1, Index 16, Detail R)
 - a. Connect cooling unit to compressed air source.
 - b. Place cold air discharge tube inside fuel tank.
- c. Adjust needle valve in hot air exhaust for desired cold air flow.
- d. Position cooling unit in a secure location outside fuel tank.

14. **FUEL CELL REMOVAL/INSTALLATION GAGE**. (Figure 1, Index 15, Detail P.)

- a. Before removing or installing fuel cell through fuselage fuel tank opening, pass gage over the entire length of folded fuel cell.
- b. Compress any area that will not pass through gage.
 - c. Install or remove fuel cell per applicable WP.
- 15. **FUEL SYSTEM TEST SET**. (Figure 1, Index 17 and 18, Detail S.)
- a. Applications of test set may be found in A1-F18AC-LMM-000 and A1-F18AC-460-200.

- 16. FUEL LIQUID OXYGEN GAGES A/E24T-159 TEST SET. (Figure 1, Index 19, Detail T.)
- a. Application of test set may be found in A1-F18AC-460-200.
- 17. **FUEL TANK FLOATING NUT REMOVAL/RE-PAIR SET.** (Figure 1, Index 20, Detail U) See WP035 00.
- 18. FUEL CELL DOME NUT REPLACEMENT TOOL SET. (Figure 1, Index 23, Detail V.) See WP035 02.

19. ILLUSTRATED PARTS BREAKDOWN.

20. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

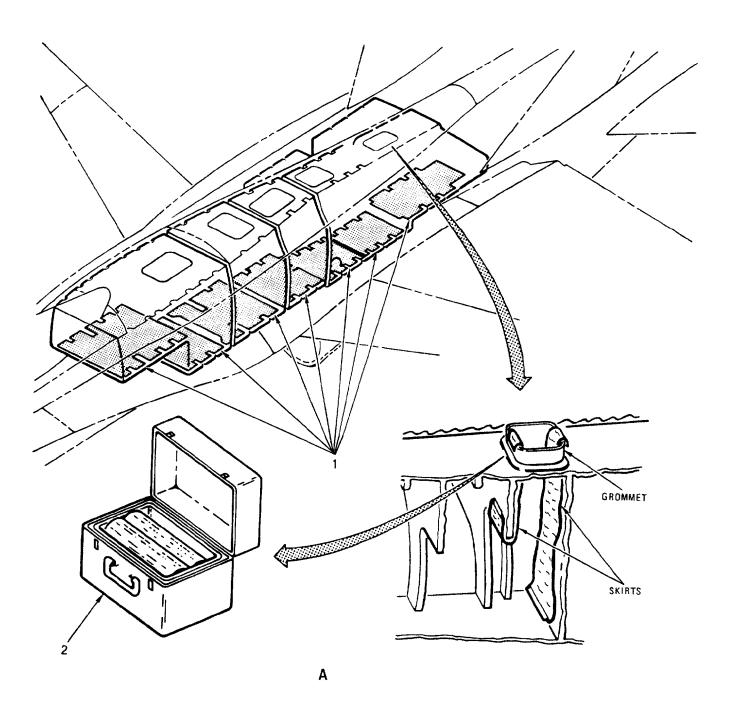


Figure 1. Ground Support Equipment (Sheet 1)

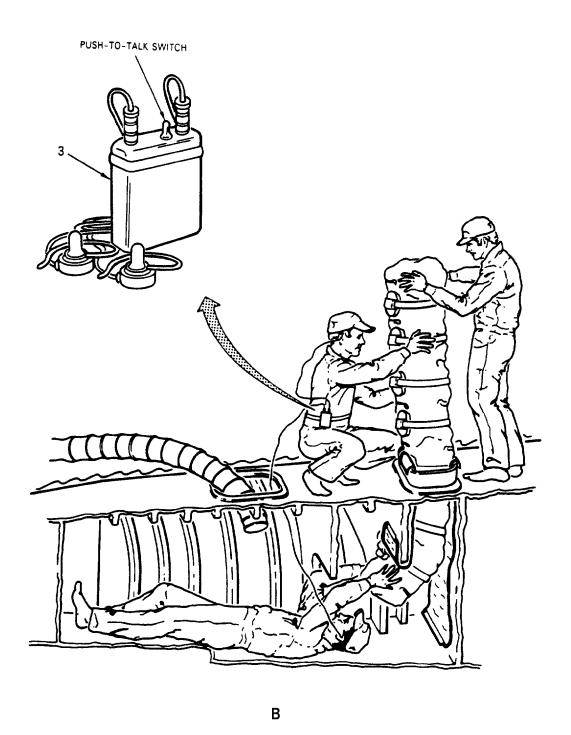
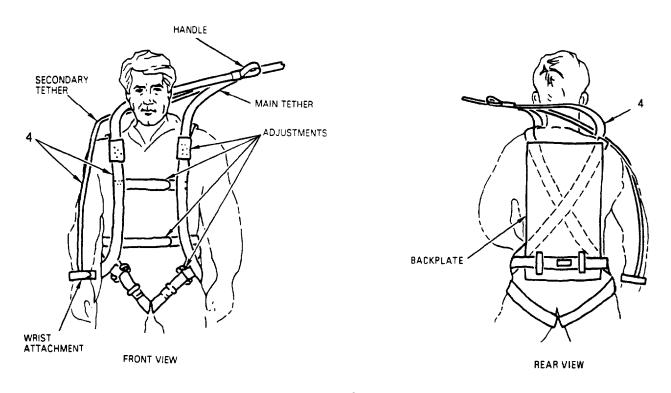


Figure 1. Ground Support Equipment (Sheet 2)



C

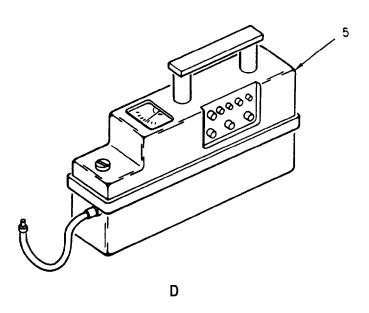
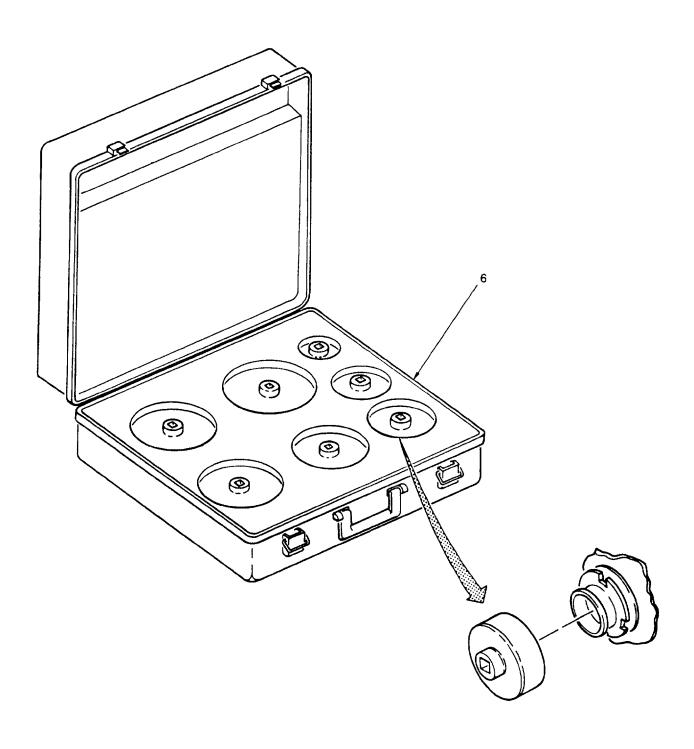


Figure 1. Ground Support Equipment (Sheet 3)



E

Figure 1. Ground Support Equipment (Sheet 4)

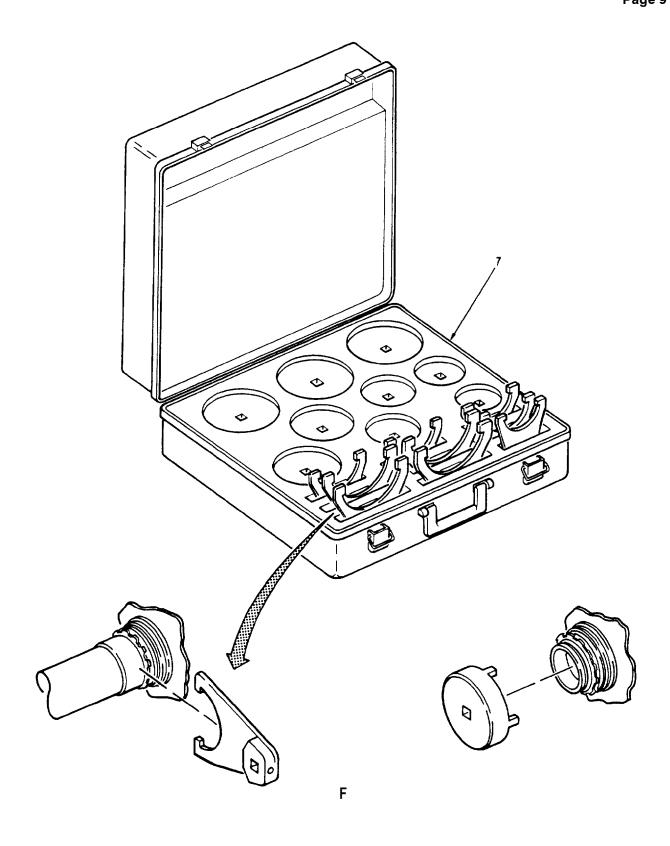


Figure 1. Ground Support Equipment (Sheet 5)

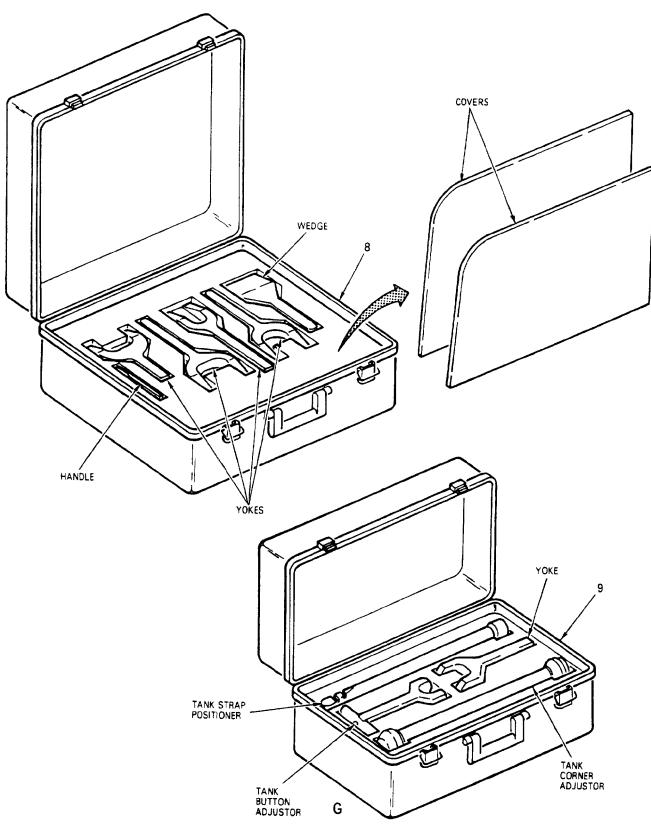


Figure 1. Ground Support Equipment (Sheet 6)

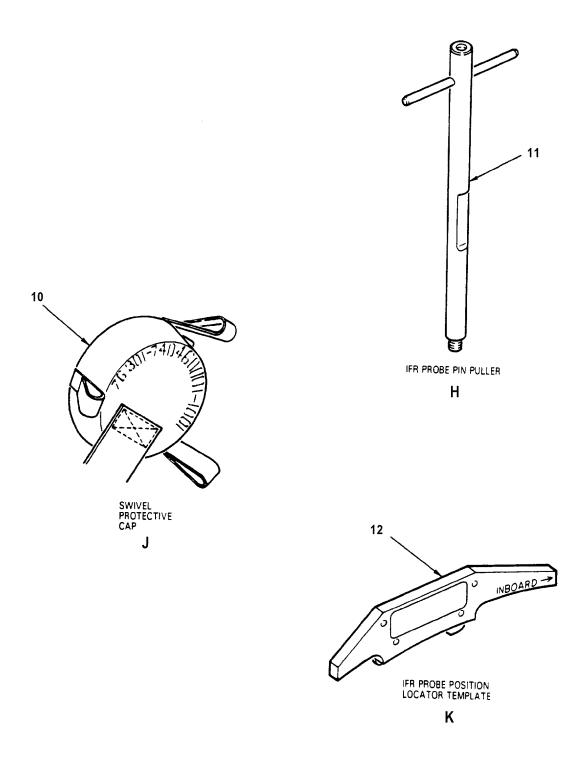


Figure 1. Ground Support Equipment (Sheet 7)

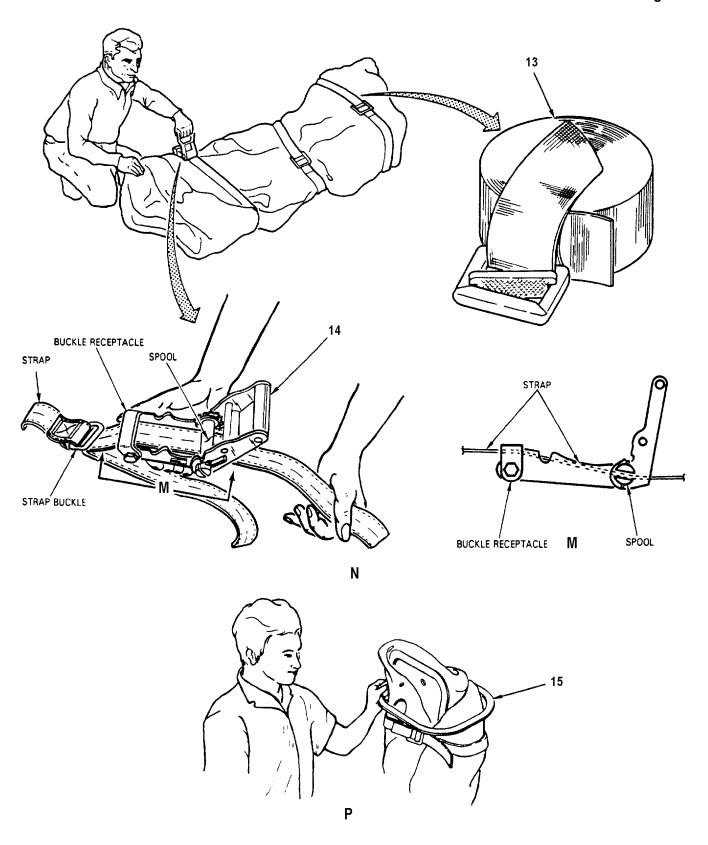


Figure 1. Ground Support Equipment (Sheet 8)

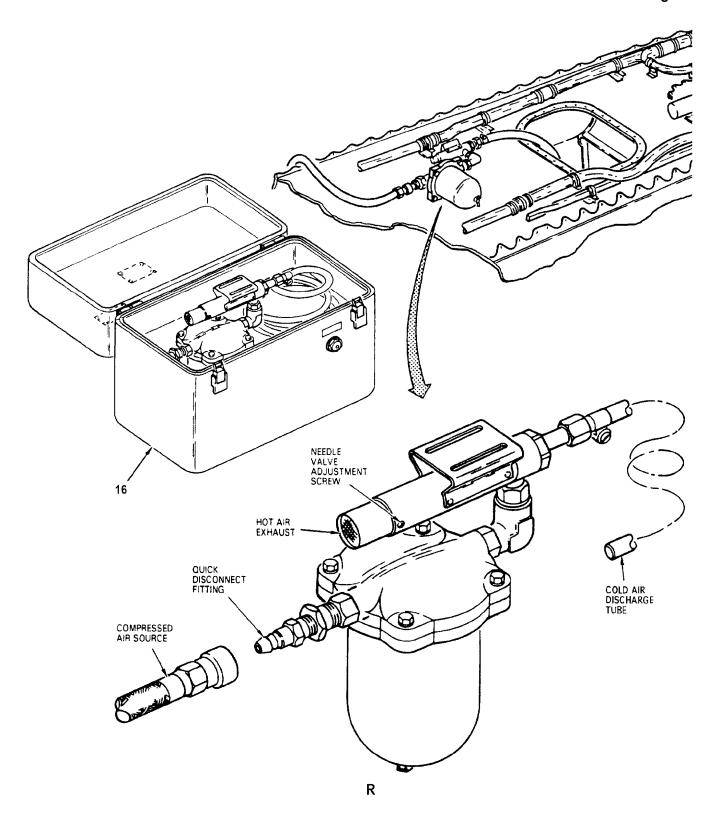


Figure 1. Ground Support Equipment (Sheet 9)

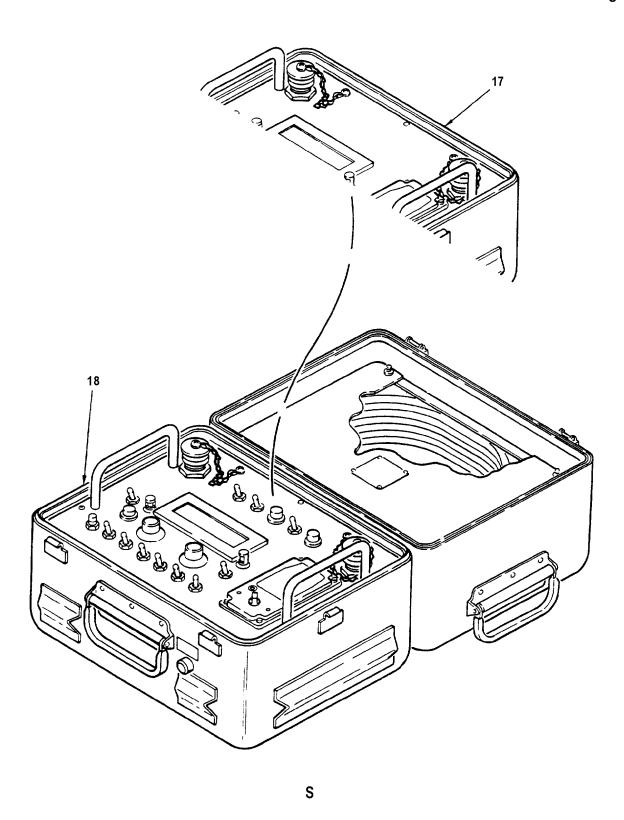


Figure 1. Ground Support Equipment (Sheet 10)

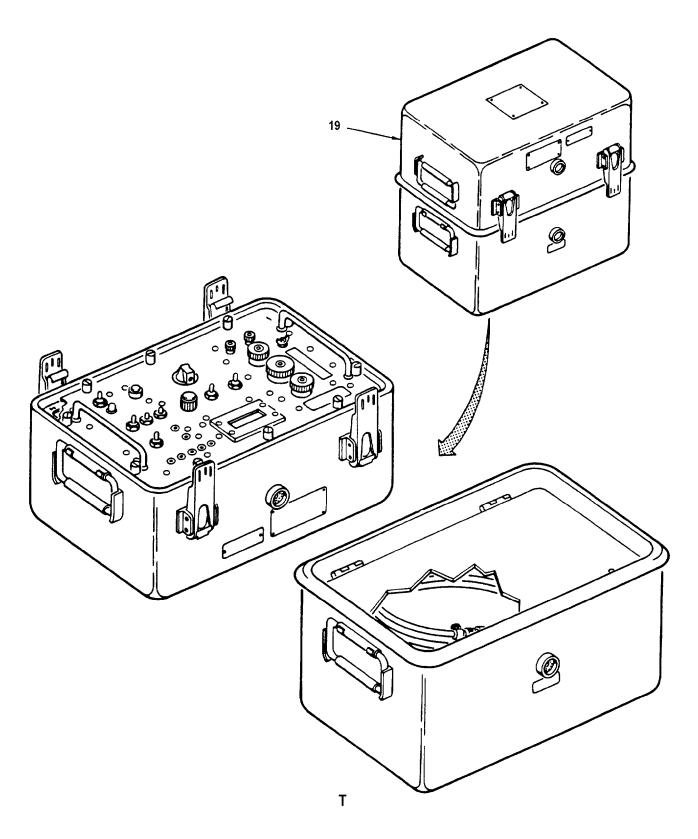


Figure 1. Ground Support Equipment (Sheet 11)

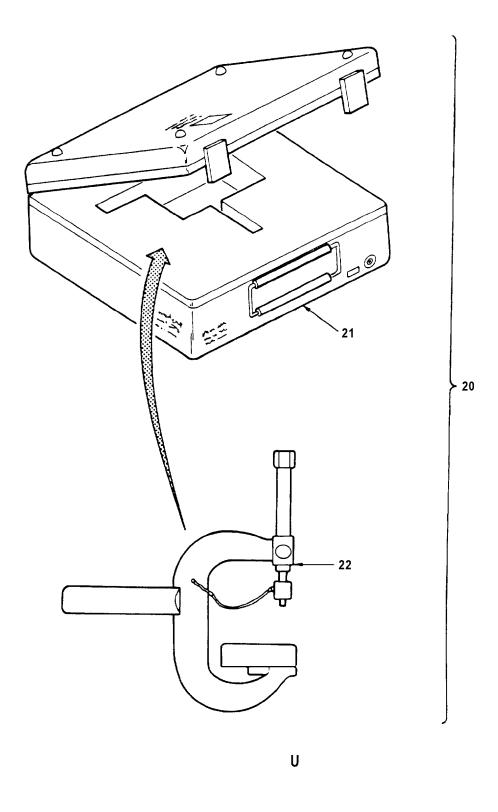


Figure 1. Ground Support Equipment (Sheet 12)

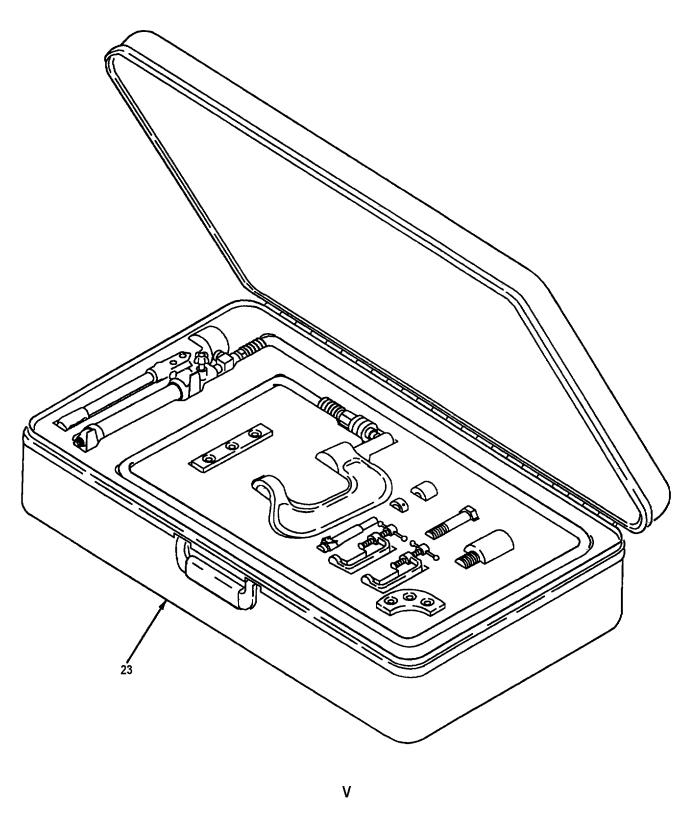


Figure 1. Ground Support Equipment (Sheet 13)

	1	1	1	1	
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		GROUND SUPPORT EQUIPMENT			
1	74D460121-1001	PAD SET, PROTECTION - INSTALLATION FUEL CELL (76301) (SUPPORT EQUIPMENT)	1		PAOZZ
2	74D460104-1003	. GROMMET SET - INSTALLATION AND REMOVAL - FUEL CELL (76301) (SUPPORT EQUIPMENT)	1		PEOGG
3	74D460176-1001	. COMMUNICATOR, ELECTRONIC	1		PAOZZ
	CEF 20100	SEE ABOVE (65451) (MCDONNELL SPEC 74B469022-103)	1	*	PAOZZ
	C12691/A25	SEE ABOVE (98438) (MCDONNELL SPEC 74B469022-101)	1	*	PAOZZ
	2691A	. SEE ABOVE		*	PAOZZ
	ES2691	. SEE ABOVE		*	PAOZZ
4	713620	. HARNESS, SAFETY - PERSONNEL	1		AGOGG
5	72-8001	. INDICATOR SET, COMBUSTIBLE AND TOXIC GAS (51906) (MCDONNELL SPEC 74B469020-101) (SUPPORT EQUIPMENT)	1		PEOOG
6	152016-1	. WRENCH, SOCKET - BULKHEAD ADAPTER FUEL TANK (91145) (SUPPORT EQUIPMENT)	1		PEOGG
7	74D460102-1001	. ADAPTER SET, BULKHEAD NUT FUEL TANK (76301) (SUPPORT EQUIPMENT)	1		PEOGG
8	74D460019-1001	. TOOL SET - INSTALLATION AND	1		PEOGG
9	74D460029-1001	. TOOL SET, INSTALLATION AND	1		PEOGG
10	74D460001-1001	CAP, PROTECTIVE - SUPPORT,	1		PAOZZ
11	74D460009-1001	PULLER - PIN, IFR PROBE MECHANISM (IFR PROBE PIN PULLER) (76301) (SUPPORT EQUIPMENT)	1		PEOZZ
12	74D460013-1001	. TEMPLATE, POSITION LOCATOR, IFR PROBE ASSY (IFR PROBE POSITION LOCATOR TEMPLATE) (76301) (SUPPORT EQUIPMENT)	1		PAOZZ
13	0900R	STRAP ASSEMBLY - LONG,	15		PAOZZ
14	44240-10	RATCHET ASSEMBLY - INSTALL/ REMOVE FUEL CELL (31272) (SUPPORT EQUIPMENT)	1		PAOZZ
15	74D460143-1001	. GAGE - INSTALL/REMOVE, FUEL CELL (76301) (SUPPORT EQUIPMENT)	1		PAOZZ
16	74D460024-1001	COOLING UNIT - PERSONNEL, FUEL CELL CAVITY (76301) (SUPPORT EQUIPMENT)	1		PEOGG

Figure 1. Ground Support Equipment (Sheet 14)

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INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
17	74D460108-1001	. TEST SET, FUEL SYSTEM (76301) (USE UNTIL EXHAUSTED) (SUPPORT EQUIPMENT)	1	A	PEOGD
18	74D460108-1003	. TEST SET, FUEL SYSTEM (REPLACES 74D460108-1001)	1		PEOGD
19	74D510003-1001	. TEST SET, FUEL - LIQUID OXYGEN GAGES A/E24T-159 (76301) (SUPPORT EQUIPMENT)	1		PEOGD
20	74D460030-1001	. REPAIR SET - FLOATING NUT	1		PEOGG
21	74D461094-1001	. CASE (76301) (SUPPORT EQUIPMENT)	1		PAOZZ
22	74D460030-2001	. CLAMP ASSEMBLY (76301) (SUPPORT EQUIPMENT)	1		PAOZZ
23	SK-D3200	. TOOL SET - DOME NUT	1		PEOGG
		* ALTERNATE OR EQUIVALENT PARTS. (WP002 00)			
		CODE USABLE ON MODEL			

161353 THRU 161761 F/A-18A/B

Α

Figure 1. Ground Support Equipment (Sheet 15)

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ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

REMOVAL - NO. 1 FUEL TANK (5CAP508)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18A

Title	WP Number
Removal - No. 1 Fuel Tank - 161353 THRU 161519 BEFORE F/A-18 AFC	010 01
39, F/A-18 AFC 53, AND F/A-18 IAFC 115	010 01
161519 AFTER F/A-18 AFC 39, F/A-18 AFC 53,	
AND F/A-18 IAFC 115	010 02

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REMOVAL - NO. 1 FUEL TANK (5CAP508)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A 18A 161353 THRU 161519 BEFORE F/A-18 AFC 39, F/A-18 AFC 53, AND F/A 18 IAFC 115

Reference Material

Fuel System	A1-F18AC-460-300
Ground Support Equipment	WP009 01
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
No. 1 Fuel Tank Inspection and Folding	WP017 00
No. 1 Fuel Tank Cavity Foam/Honeycomb Filler	WP017 01
Fuel Tank Cavity Repair	WP038 00
Repair - Bulkhead Connector Retainers	WP038 01
Fuel Tank Cavity Preparation	WP039 00

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Materials Required	2
Removal	3
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of all ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
74D460102-1001	Fuel Tank Bulkhead Nuts Adapter Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set
57A43	Electric General Purpose Explosion Proof Lantern

Materials Required

Specification or Part Number	Nomenclature
474 (CAGE 26066)	Tape, Pressure Sensitive
MIL-B-131, Class I (CAGE 81349)	Barrier Material (Heavy Paper or Canvas)

1. GENERAL.

NOTE

For complete parts list, see no. 1 fuel tank IPB (WP012 00).

- a. Remove parts as an assembly as shown on illustration.
- b. When removing an assembly, secure attaching parts to assembly in a cloth bag.

NOTE

Tagging assemblies with index numbers circled on artwork of procedure will aid in installation.

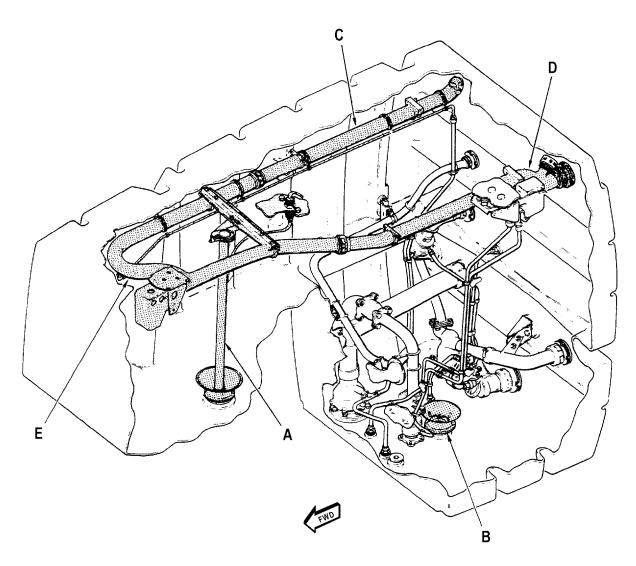
- c. Tag assembly with index number that has been circled on artwork of procedure.
 - d. Keep parts grouped in containers after removal.
- e. Do general preparation for removal (WP013 00).

WARNING

To prevent injury to personnel, trapped fuel remaining in fuel tank components should not be allowed to spill inside fuel tank during removal. Unavoidable fuel spills should be mopped up and removed immediately

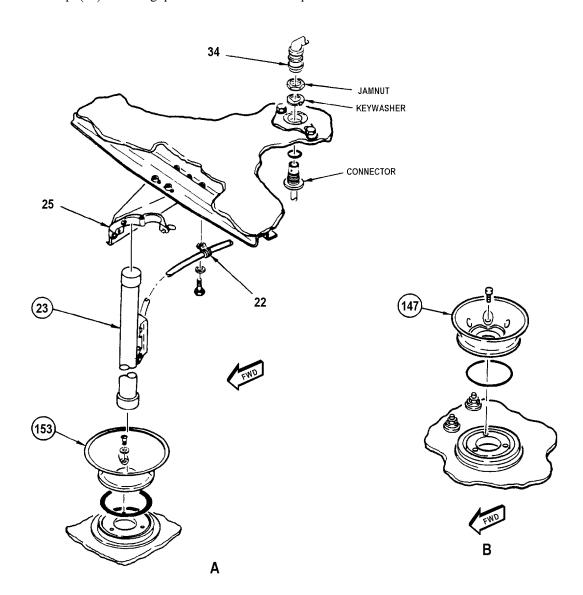
f. Catch any trapped fuel remaining in fuel tank components with an approved safety container, as required, during removal. Mop up and remove any fuel spills inside tank immediately.

- 2. **REMOVAL**
- 3. **SEQUENCE 1**.

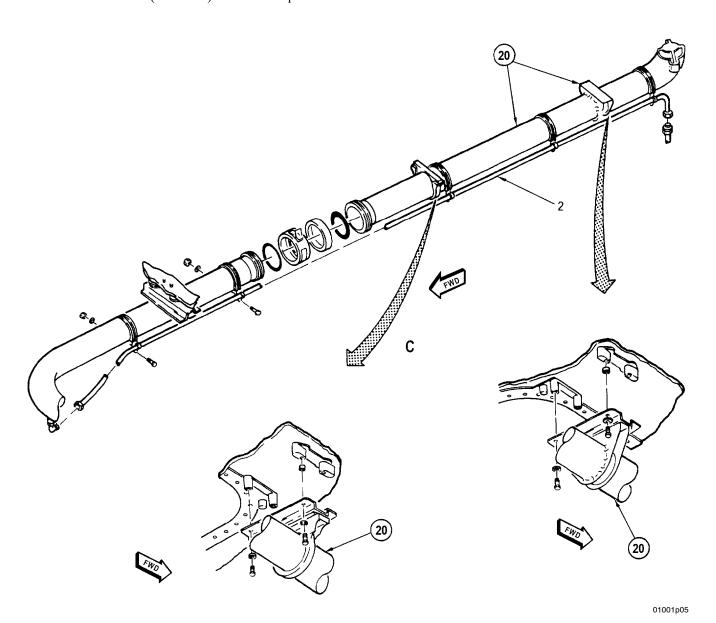


- a. Disconnect connector (34).
- b. Remove lockwire, jamnut and keywasher.
- c. Remove clamp (22) attaching parts.

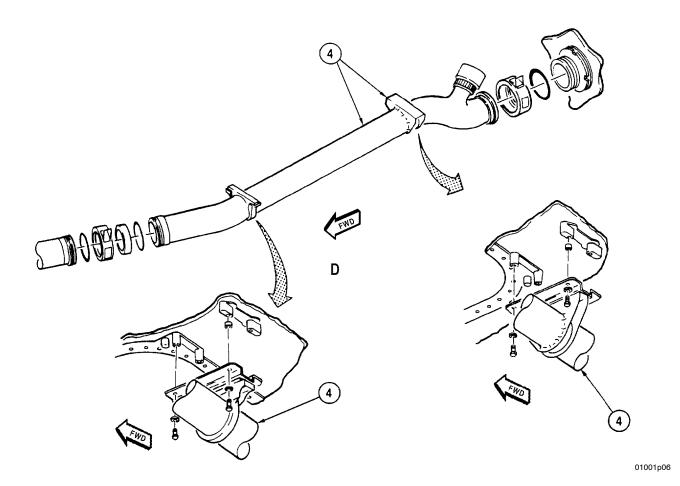
- d. Open clamp (25) and remove transmitter (23) and wire bundle.
- e. Remove cases (147 and 153) and attaching parts.



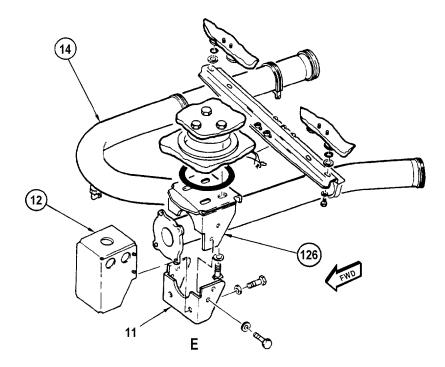
f. Remove Tubes (2 and 20) and related parts.



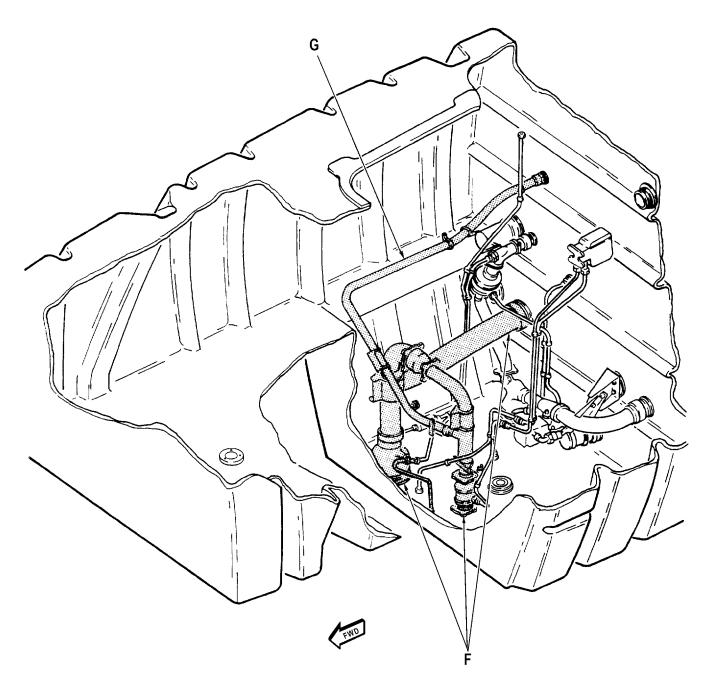
g. Remove tube (4) and related parts.



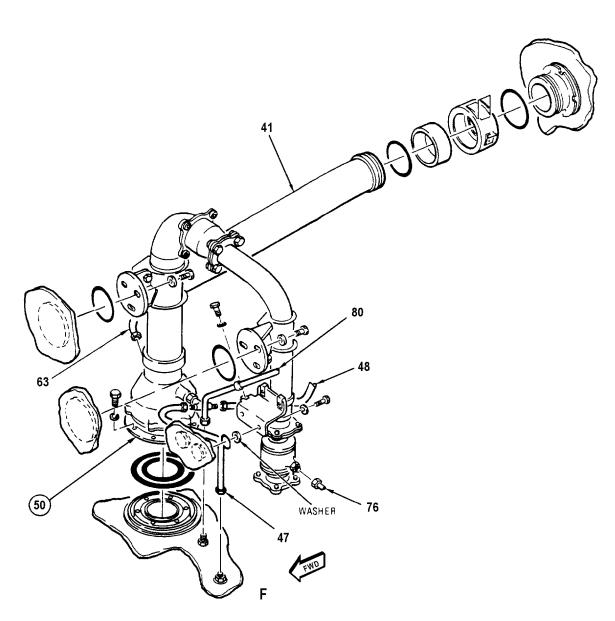
- h. Remove valve (12).
- i. Remove tube (14) and related parts.
- j. Remove channel (11), support (126) and related parts.



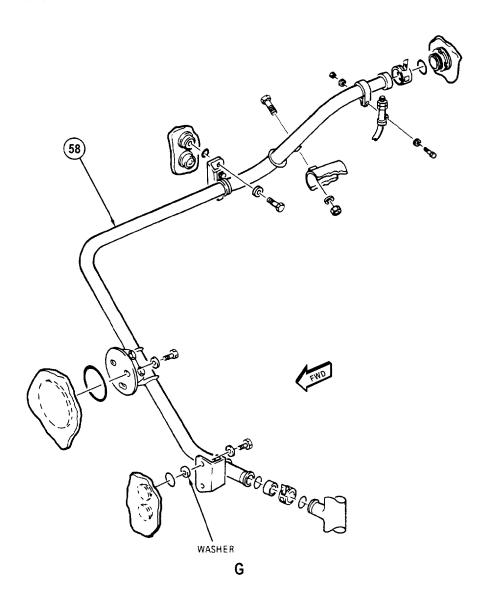
4. SEQUENCE 2.



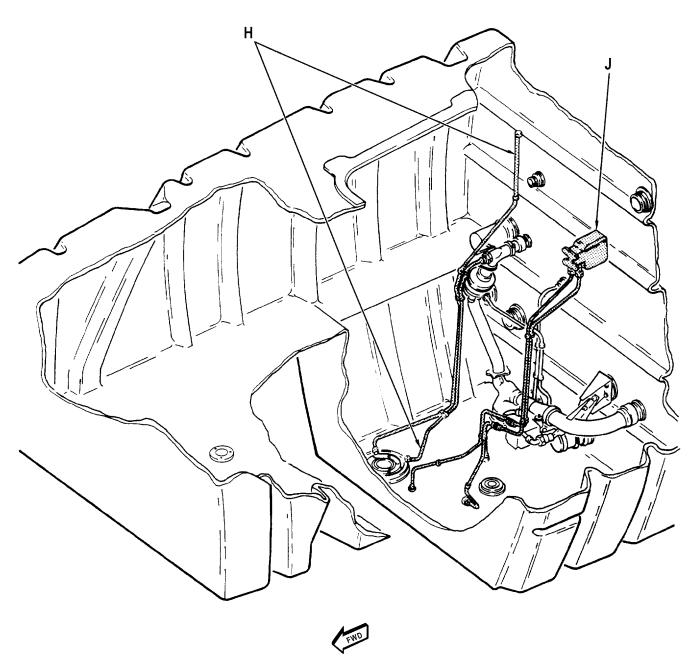
- a. Remove bolt and washer from tube (80).
- b. Disconnect tubes (48, 63 and 76) and remove tube (47).
- c. Remove valve (50), tube (41) and related parts.



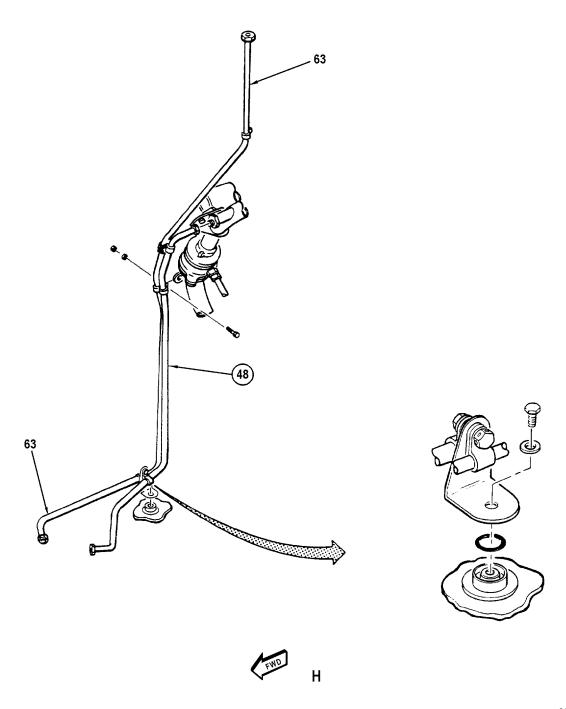
d. Remove tube (58) and related parts.



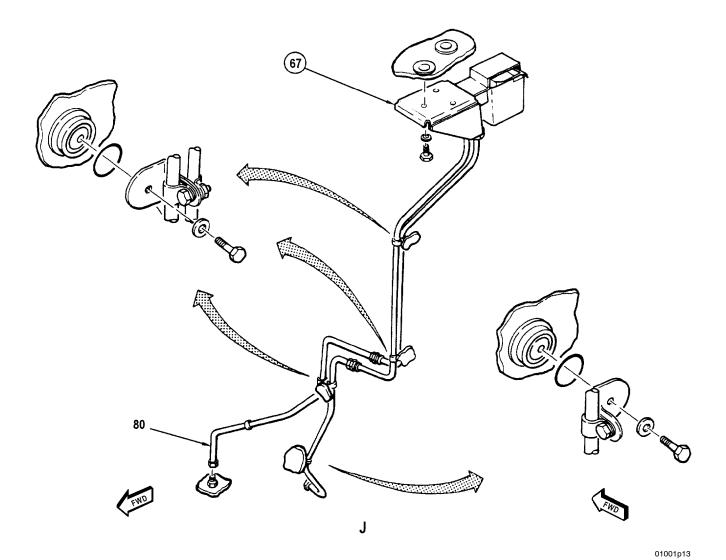
5. **SEQUENCE 3**.



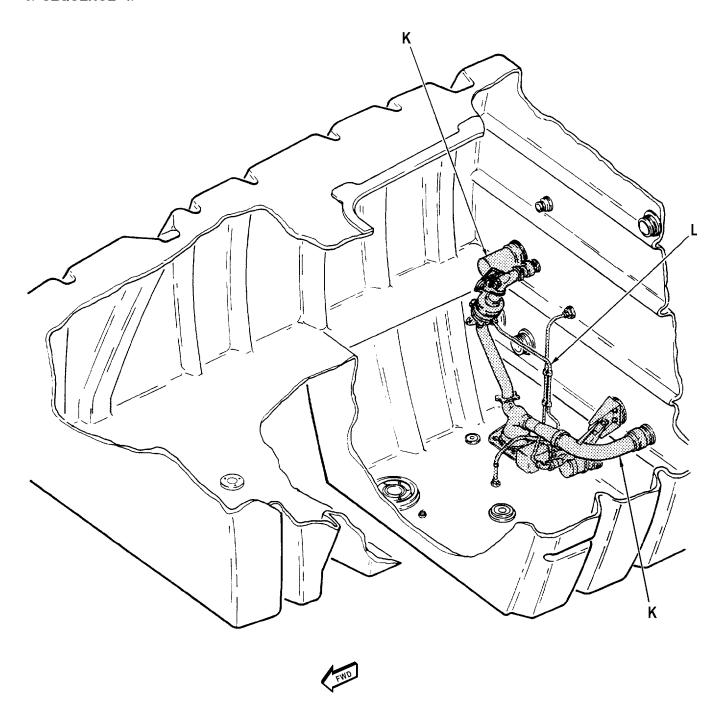
a. Remove tubes (48 and 63) and related parts.



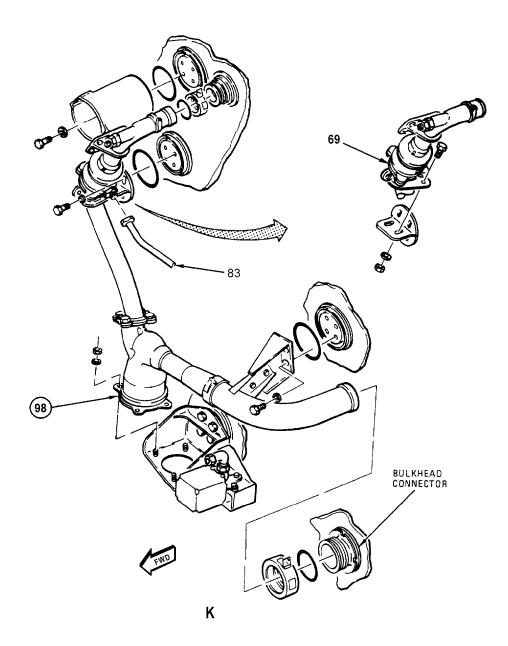
- b. Disconnect tube (80).
- c. Remove support (67) and related parts.



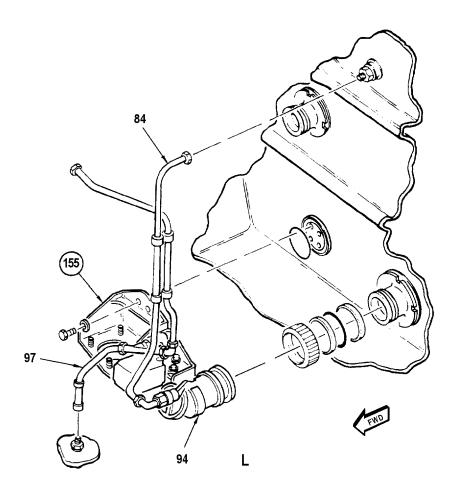
6. SEQUENCE 4.



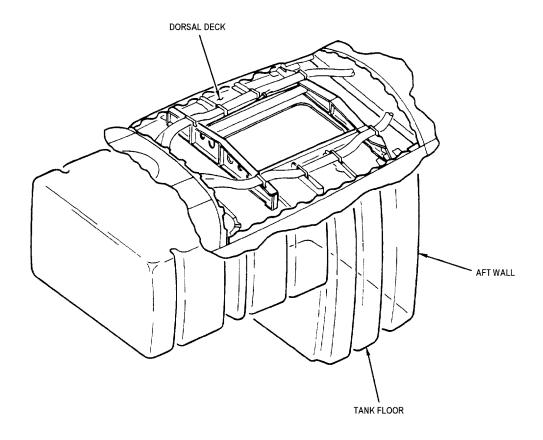
- a. Disconnect tube (83).
- b. Remove valve (69), ejector (98) and related parts.



c. Disconnect tubes (84 and 97) and valve (94), and remove support (155) with related parts.

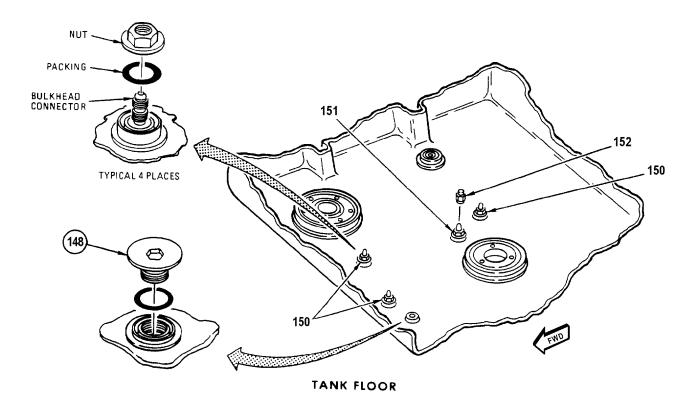


7. **SEQUENCE 5**.





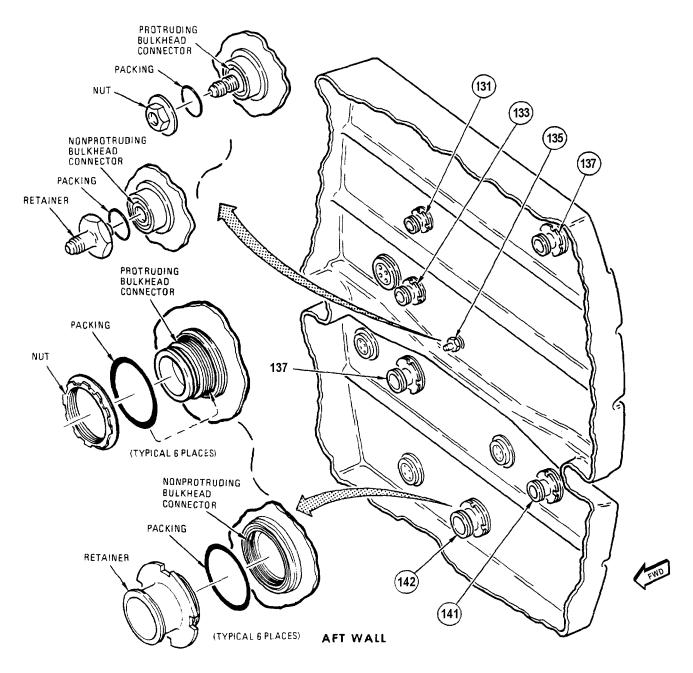
- a. Remove cap (152) and adapter (148).
- b. Remove nuts (150 and 151).



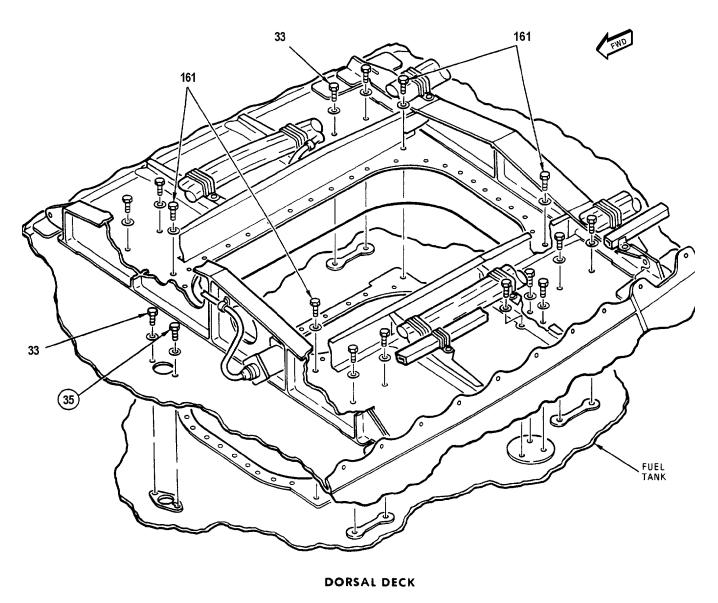
NOTE

High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers.

c. Remove nuts or retainers (131, 133, 135, 137, 141 AND 142).



- d. Remove four bolts (161) and washers.
- e. Remove thirteen bolts (33 and 35) and washers.



8. SEQUENCE 6.

a. Apply pressure sensitive tape to all protruding type bulkhead fittings.

CAUTION

Caution must be used when cutting lacing cords and lowering fuel tank from bulkhead fittings to prevent damage to fuel tank by sharp edges of knife and bulkhead fittings.

- b. Do substeps below until all lacing cords are cut and tank is off all fittings on walls:
- (1) Carefully cut lacing cords that are easiest to get to.

CAUTION

To avoid damage to fuel tank fittings do not use pliers when removing tank from bulkhead fittings.

- (2) With hands between tank and cavity (as near as possible to fitting), slide tank off bulkhead fitting. Use fuel cell removal/installation tool set (WP009 01), if required. Position barrier material between tank fitting and bulkhead fitting.
- c. Remove protective pads from fuel tank (WP009 01).
- d. Fold and remove fuel tank (WP017 00). Make sure tank is off all bulkhead fittings.
- e. Remove all pressure sensitive tape, cut lacing, used packings, hardware and foreign material from fuel tank cavity.

9. CAVITY INSPECTION. (QA)

CAUTION

Failure to do the steps below may result in damage to fuel tank.

- a. Inspect for and clean (WP039 00) all fittings of:
 - (1) dirt
 - (2) paint
 - (3) grease
 - (4) corrosion
- (5) foreign material that would prevent a correct seal
- b. Inspect for and repair/replace fittings (WP038 00) and, if applicable, retainers (WP038 01) with:
 - (1) cracks
 - (2) scratches
 - (3) nicks
 - (4) distortion
 - (5) damaged threads
- (6) damage that would cause mismatching, or prevent a correct seal
- c. Inspect for and replace (WP017 01) all foam/honeycomb that is:
 - (1) loose
 - (2) damaged
- (3) fuel soaked (Fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00).
 - (4) missing

d. Inspect for and replace (WP039 00) all pressure sensitive tape that is:	(1) burrs, sharp edges or protrusions that would chafe tank
(1) damaged	(2) loose, damaged or missing lacing clips
(2) loose	.,
(3) missing	(3) cleanliness
e. Inspect complete cavity for:	(4) corrosion

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REMOVAL - NO. 1 FUEL TANK (5CAP508)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18A 161520 AND UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39, F/A-18 AFC 53 AND F/A-18 IAFC 115

Reference Material

General Wiring Repair Procedures	A1-F18AC-WRM-000
Fuel System	A1-F18AC-460-300
Ground Support Equipment	WP009 01
IPB - No. 1 Fuel Tank - F/A-18A	WP012 00
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
No. 1 Fuel Tank Inspection and Folding	WP017 00
No. 1 Fuel Tank Cavity Foam/Honeycomb Filler	WP017 01
Fuel Tank Cavity Repair	WP038 00
Repair - Bulkhead Connector Retainers	WP038 01
Fuel Tank Cavity Preparation	WP039 00

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Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve And Raised Inverted Baffle (ECP MDA- F/A-18-00055C1)	15 Jul 86	-
F/A-18 AFC 39	-	No. 1 Fuel Tank Interconnect Valve Replacement and Fuel Sequencing Modification (ECP MDA-F/A-18-00072C1)	15 Oct 86	-
F/A-18 IAFC 115		Y383 Bulkhead Fatigue Improvements (ECP MDA-F/A-18-0266)	1 Oct 88	

Support Equipment Required

Part Number or Type Designation	Nomenclature
74D460124-1001	Fuel Tank Bulkhead Nuts Adapter Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set
57A43	Electric General Purpose Explosion Proof Lantern

Materials Required

Specification or Part Number	Nomenclature
474 (CAGE 26066)	Tape, Pressure Sensitive
MIL-B-131, Class 1 (CAGE 81349)	Barrier Material (Heavy Paper or Canvas)
MIL-T-43435 TYPE-2 SIZE-3 FINISH-C (CAGE 81349)	Tape, Lacing
1. GENERAL	

NOTE

For complete parts list, see no. 1 fuel tank IPB (WP012 00).

a. Remove parts as an assembly as shown on illustration.

b. When removing an assembly, secure attaching parts to assembly in a cloth bag.

NOTE

Tagging assemblies with index numbers circled on artwork of procedure will aid in installation.

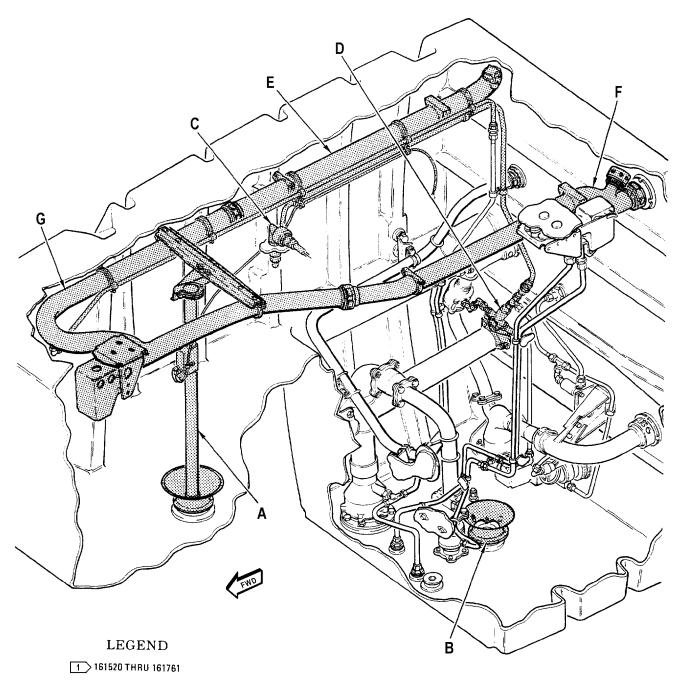
- c. Tag assembly with index number that has been circled on artwork of procedure.
 - d. Keep parts grouped in containers after removal.
- e. Do general preparation for removal (WP013 00).

WARNING

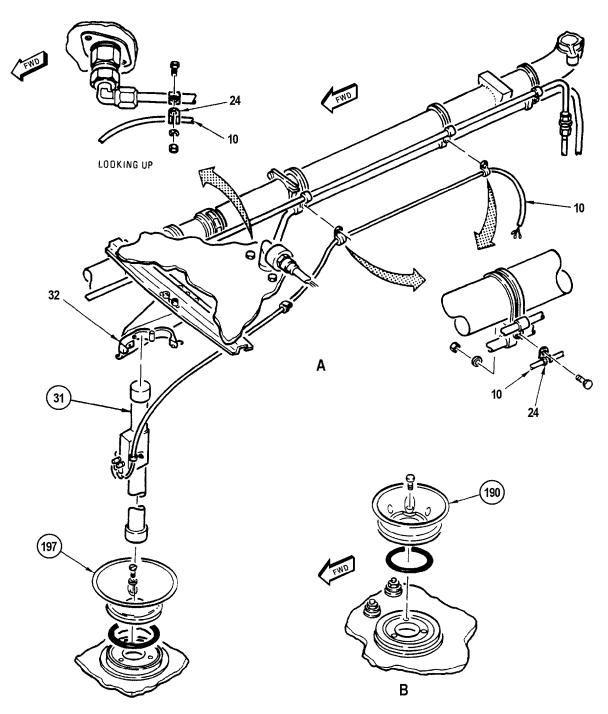
To prevent injury to personnel, trapped fuel remaining in fuel tank components should not be allowed to spill inside fuel tank during removal. Unavoidable fuel spills should be mopped up and removed immediately.

- f. Catch any trapped fuel remaining in fuel tank components with an approved safety container, as required, during removal. Mop up and remove any fuel spills inside tank immediately.
- g. High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers from non-protruding type bulkhead connectors.

- 2. **REMOVAL**.
- 3. **SEQUENCE 1**.



- a. Disconnect clamps (24).
- b. Open clamp (32) and remove transmitter (31) with cable assembly (10).
- c. Remove supports (190 and 197) and attaching parts.



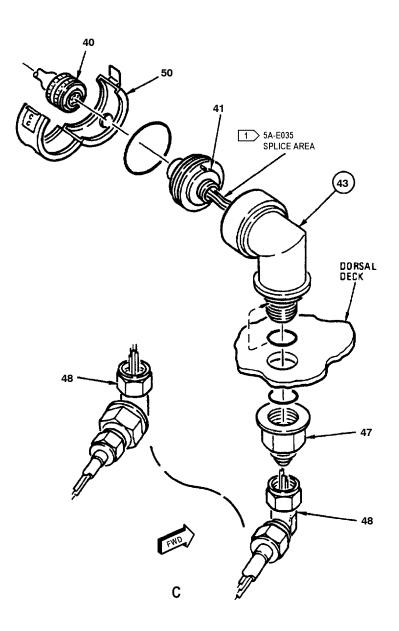
- d. Disconnect connector (40).
- e. Remove coupling (50) and receptacle (41) assembly, then disconnect receptacle wires at 5A-E035 splice area (161520 THRU 161761) or receptacle, as applicable (A1-F18AC-WRM-000).



To prevent damage to wires, carefully slide wires through related components.

To prevent damage to the alignment key on elbow (43), do not allow elbow (43) to rotate when removing nut (47).

- f. Disconnect elbow (48) and remove elbow (43), adapter nut (47) and related parts.
 - g. Attach 6 foot lacing tape to wires.

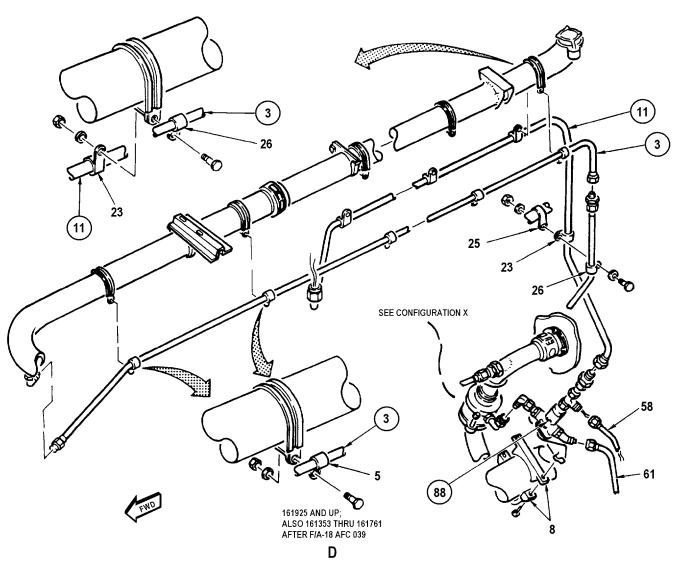


h. On 161925 AND UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 039, do substeps below:

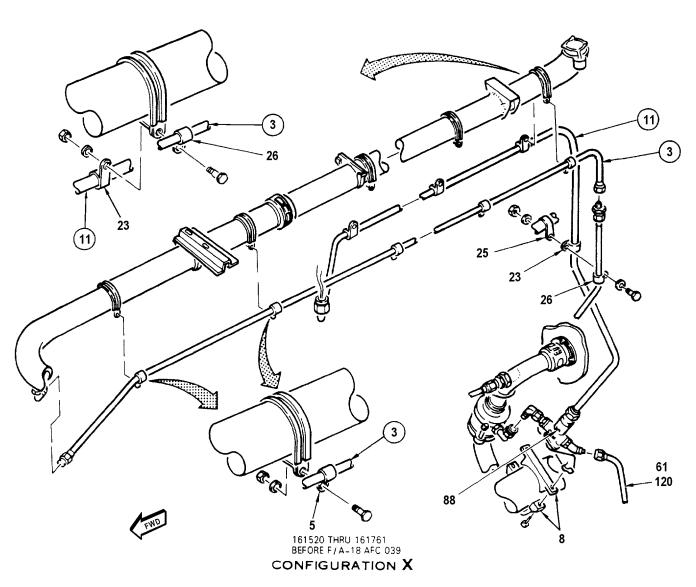
- (1) Disconnect or remove clamps (5, 8, 23, 25 and 26).
 - (2) Remove tubes (3 and 11). Carefully pull wires

through tube (11), then untie lacing tape and secure to tube (11).

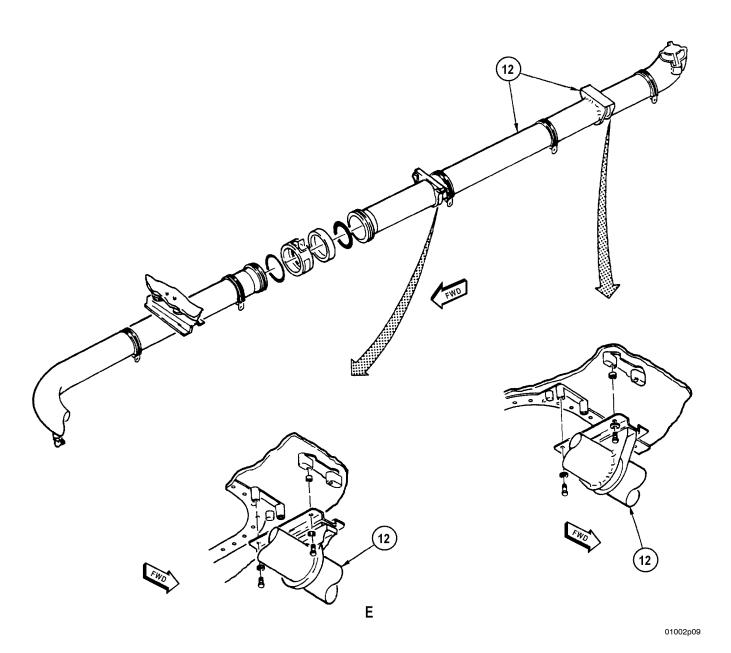
(3) Disconnect tubes (58 and 61) and remove valve (88). Carefully separate wires from tube (58) and valve (88) so valve (88) can be removed.



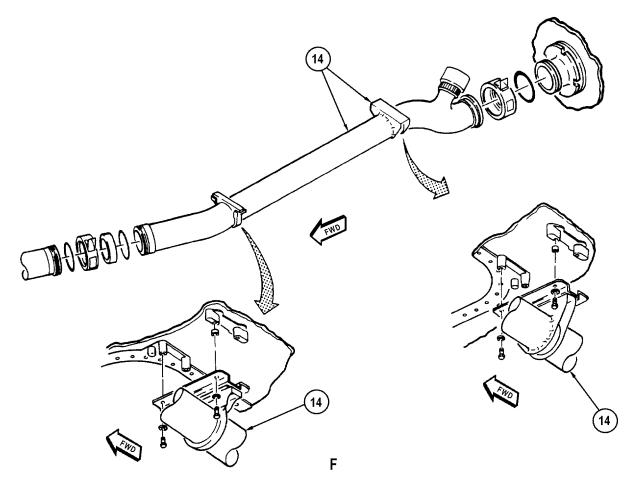
- i. On 161520 THRU 161761 BEFORE F/A-18 AFC 039, do substeps below:
 - (1) Disconnect clamps (5, 8, 23, 25 and 26).
- (2) Remove tube (3) and disconnect tube (61 or 120).
- (3) Disconnect valve (88) and carefully lift (88) and tube (11) from tank.



j. Remove tube (12) and related parts.

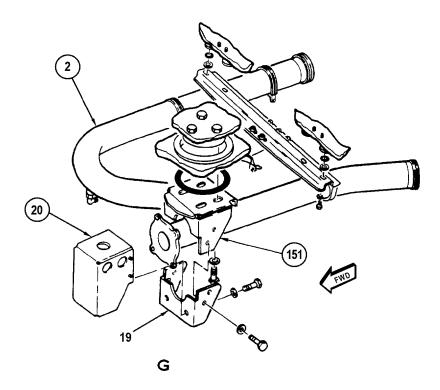


k. Remove tube (14) and related parts.

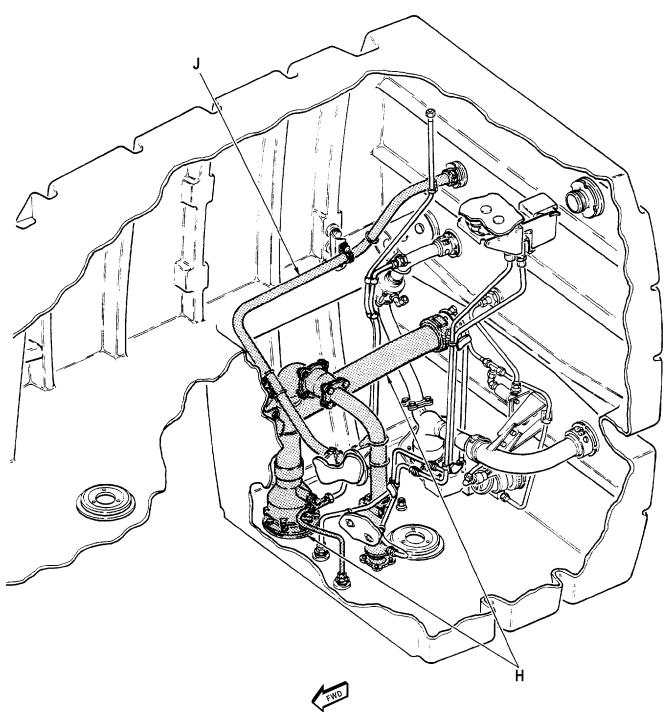


- 1. Remove valve (20) and channel (19).
- m. Remove tube (2) and related parts.

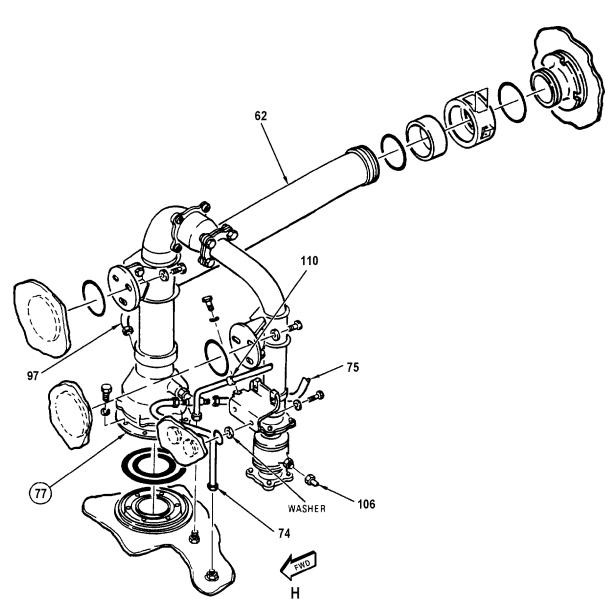
n. Remove support (151) and related parts.



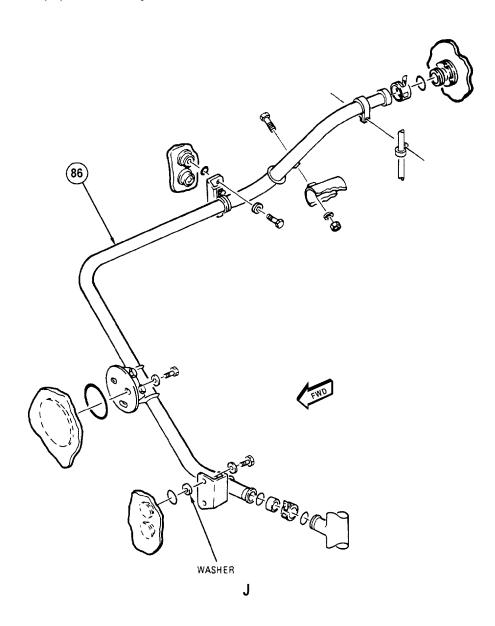
4. SEQUENCE 2.



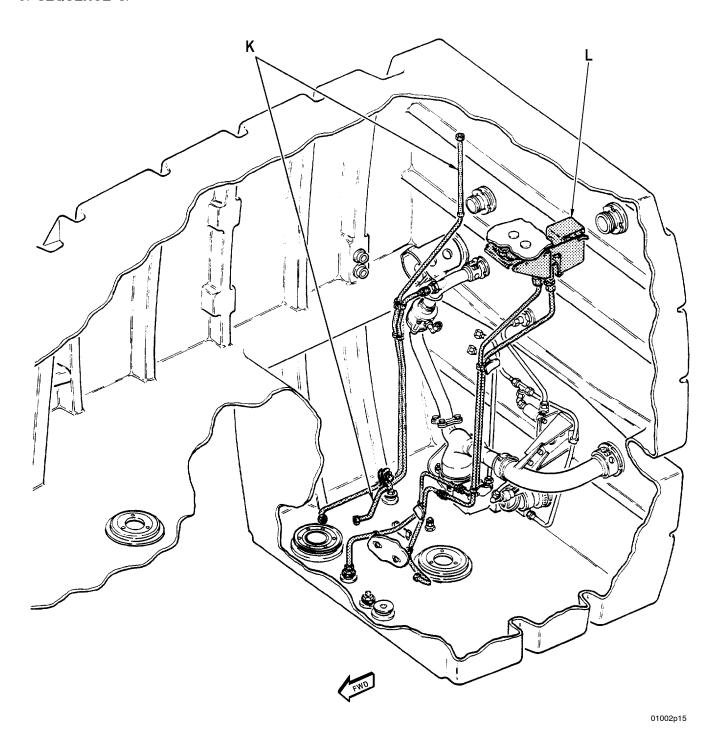
- a. Remove clamp (110) and attaching parts.
- b. Disconnect tubes (75, 97 and 106) and remove tube (74).
- c. Remove valve (77), tube (62) and related parts.



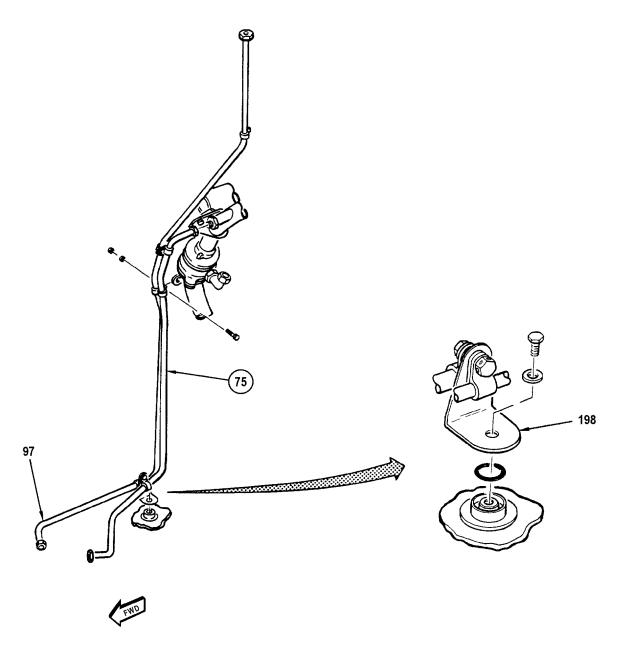
d. Remove tube (86) and related parts.



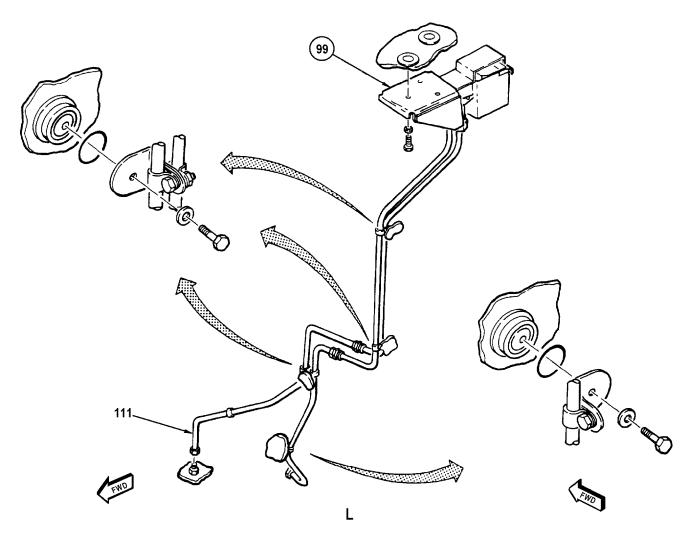
5. **SEQUENCE 3**.



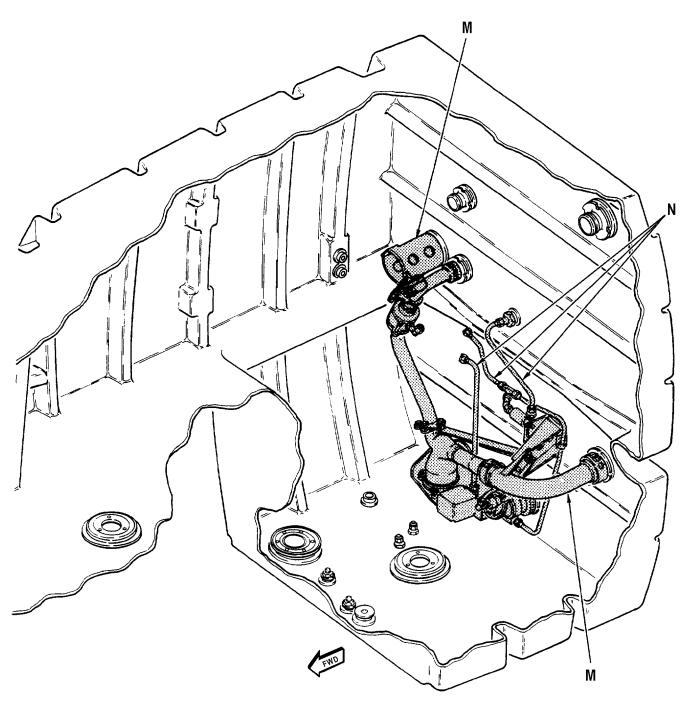
a. Remove tubes (75 and 97), bracket (198) and related parts.



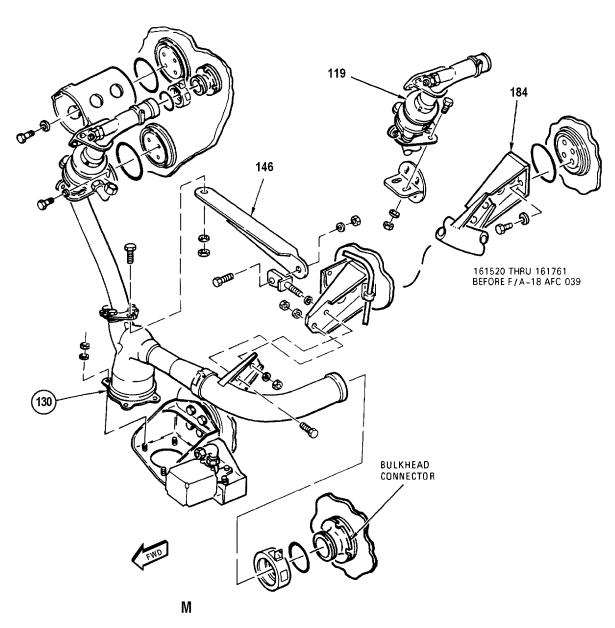
- b. Disconnect tube (111).
- c. Remove support (99) and related parts.



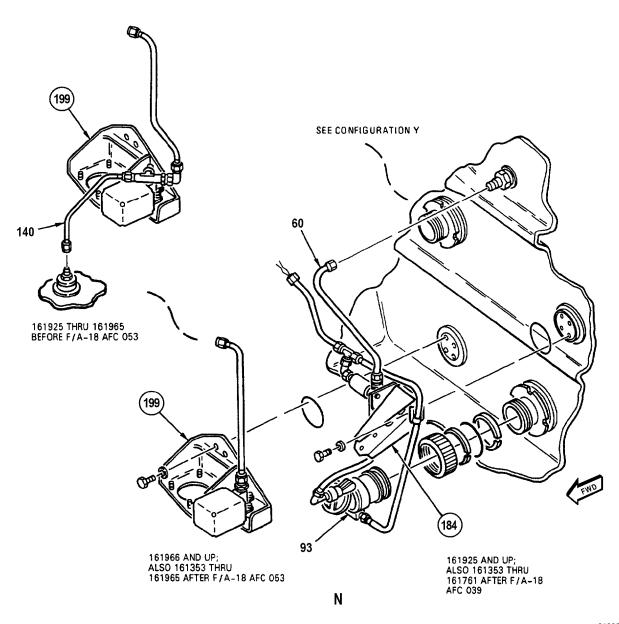
6. SEQUENCE 4.



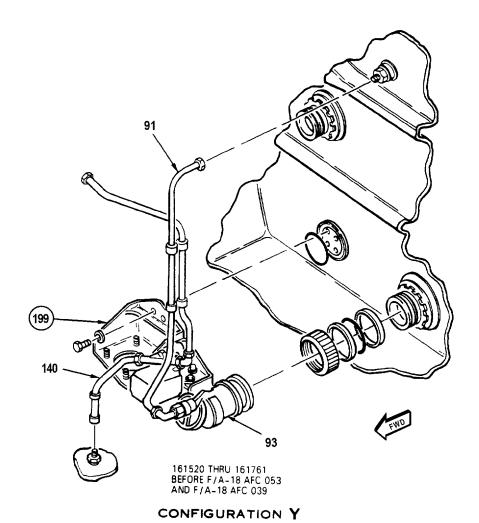
- a. Remove valve (119), ejector (130) and related parts.
- b. On 161520 THRU 161761 BEFORE F/A-18 AFC 039, remove bracket (184) attaching parts.
- c. On 163119 AND UP, ALSO 161353 thru 163118 after IAFC 115, remove link (146) and related parts.



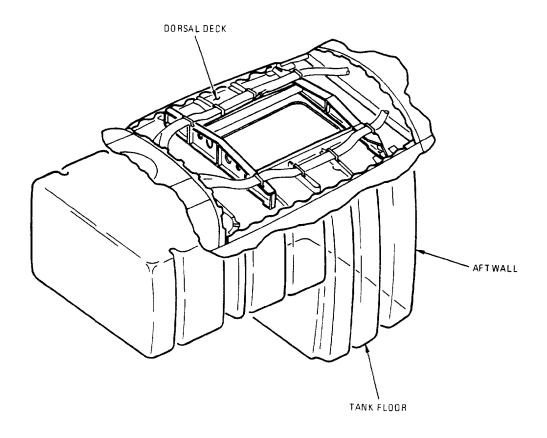
- d. On 161925 THRU 161965; BEFORE F/A-18 AFC 053, disconnect tube (140) and remove support (199) with related parts.
- e. On 161966 AND UP; ALSO 161353 THRU 161965 AFTER F/A-18 AFC 053, remove support (199) with related parts.
- f. On 161925 AND UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 039, disconnect valve (93) and tube (60), and remove bracket (184) with related parts.



g. On 161520 THRU 161761 BEFORE F/A-18 AFC 053, AND F/A-18 AFC 039 disconnect tubes (91 and 140) and valve (93), and remove support (199) with related parts.



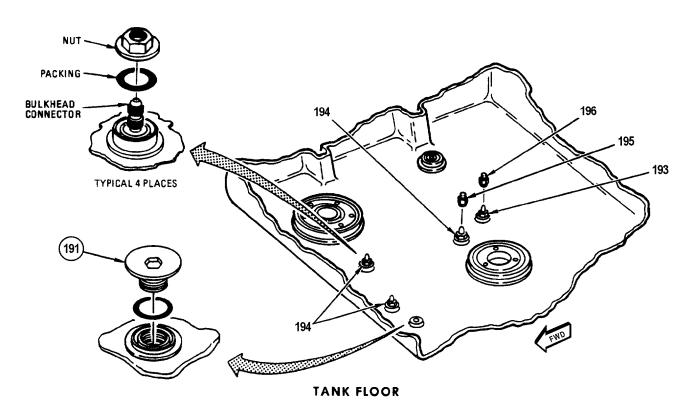
7. **SEQUENCE 5**.





- a. On 161966 AND UP; ALSO 161353 THRU 161965 AFTER F/A-18 AFC 053, remove cap (196).
 - b. Remove cap (195) and adapter (191).

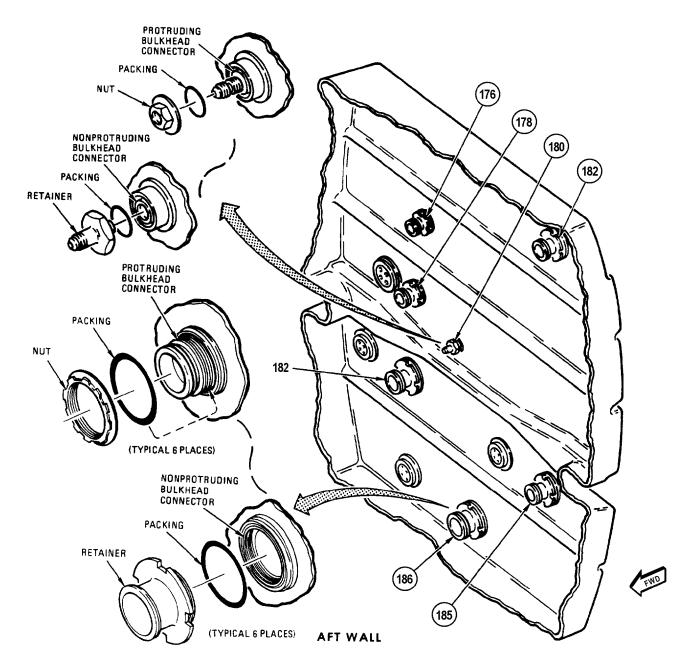
c. Remove nuts (193 and 194).



NOTE

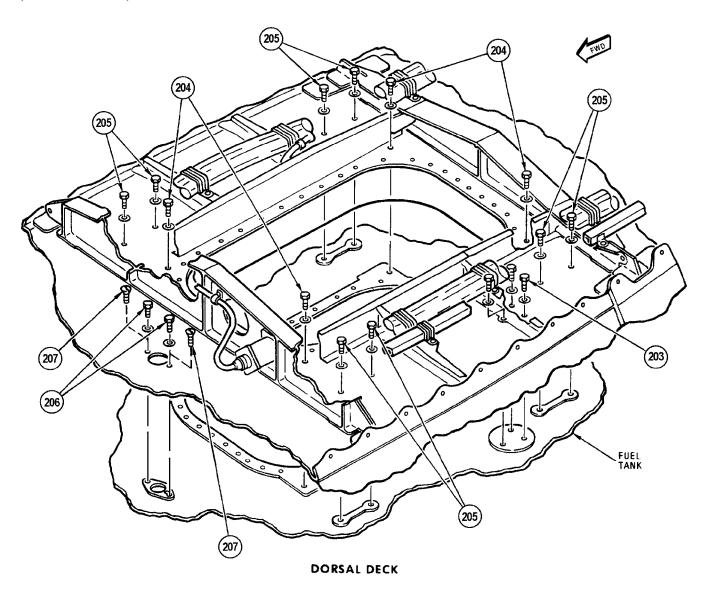
High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers.

d. Remove nuts or retainers (176, 178, 180, 182, 185 and 186).



- e. Remove four bolts (204) and washers.
- f. On 161520 THRU 162909 remove thirteen bolts (203, 205 and 206) and washers.

g. On 163092 AND UP, remove eleven bolts (203 and 205) with washers and two screws (207).



8. SEQUENCE 6.

a. Apply pressure sensitive tape to all protruding type bulkhead fittings.

CAUTION

Caution must be used when cutting lacing cords and lowering fuel tank from bulkhead fittings to prevent damage to fuel tank by sharp edges of knife and bulkhead fittings.

- b. Do substeps below until all lacing cords are cut and tank is off all fittings on walls:
- (1) Carefully cut lacing cords that are easiest to get to.

CAUTION

To avoid damage to fuel tank fittings, do not use pliers when removing tank from bulkhead fittings.

- (2) With hands between tank and cavity (as near as possible to fitting), slide tank off all bulkhead fittings. Use fuel cell removal/installation tool set (WP009 01), if required. Position barrier material between tank fitting and bulkhead fitting.
- c. Remove protective pads from fuel tank (WP009 01).
- d. Fold and remove fuel tank (WP017 00). Make sure tank is off all bulkhead fittings.
- e. Remove all pressure sensitive tape, cut lacing, used packings, parts and foreign material from fuel tank cavity.

9. CAVITY INSPECTION. (QA)



Failure to do the steps below may result in damage to fuel tank.

- a. Inspect for and clean (WP039 00) all fittings of:
 - (1) dirt
 - (2) paint
 - (3) grease
 - (4) corrosion
- (5) foreign material that would prevent a correct seal
- b. Inspect for and repair/replace fittings (WP038 00) and, if applicable, retainers (WP038 01) with:
 - (1) cracks
 - (2) scratches
 - (3) nicks
 - (4) distortion
 - (5) damaged threads
- (6) damage that would cause mismatching, or prevent a correct seal
- c. Inspect for and replace all foam/honeycomb (WP017 01) that is:
 - (1) loose
 - (2) damaged
- (3) fuel soaked (Fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00).
 - (4) missing

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010 02

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d. Inspect for and replace (WP039 00) all pressure sensitive tape that is:	(1) burrs, sharp edges or protrusions that would chafe tank
(1) damaged	(2) loose, damaged or missing lacing clips
(2) loose	
(3) missing	(3) cleanliness
e. Inspect complete cavity for:	(4) corrosion

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ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

INSTALLATION - NO. 1 FUEL TANK (5CAP508)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18A

Title	WP Number
Installation - No. 1 Fuel Tank - 161353 THRU 161519 BEFORE F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115	011 01
Installation - No. 1 Fuel Tank - 161520 AND UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115	011 02

2

2

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ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

INSTALLATION - NO. 1 FUEL TANK (5CAP508)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18A 161353 THRU 161519 BEFORE F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115

Reference Material

Fuel System	C-460-300
No. 1 Fuel Tank Access Cover - F/A-18A	WP003 00
IPB - No. 1 Fuel Tank - F/A-18A	WP012 00
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
No. 1 Fuel Tank Inspection and Folding	
Fuel System	C-460-200
Internal Fuel Transfer and Engine Fuel Supply System Test	
Line Maintenance Procedures	
Plane Captain Manual A1-F18AC	-PCM-000
Alphabetical Index	
Subject	Page No.
General	2

Support Equipment Required

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-

Support Equipment Required

Part Number or Type Designation	Nomenclature		
-	Torque Wrench, 0 to 50 Inch-Pounds		
-	Torque Wrench, 0 to 120 Inch-Pounds		
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set		
74D460102-1001	Fuel Tank Bulkhead Nuts Adapter Set		
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench		
6230-00-270-5419	Electric, General Purpose, Explosion Proof Lantern		

Materials Required

Specification or Part Number	Nomenclature
MS20995NC32 (CAGE 96906)	Lockwire
VV-P-236 (CAGE 81348)	Petrolatum, Technical
MIL-C-5040, Type 3 (CAGE 81349)	Cord, Fibrous
74K580001-1005	Preformed Packing Assortment
474 (CAGE 26066)	Tape, Pressure Sensitive

1. GENERAL.

NOTE

For complete parts list, see no. 1 fuel tank IPB (WP012 00). Packings and hardware are listed in tables on each page.

Index numbers used to tag components during removal are circled on artwork of procedure to aid in reassembly.

- a. Do or observe fuel tank maintenance precautions (WP013 00)
- b. Apply pressure sensitive tape to all protruding type cavity fittings.

NOTE

Tie start knots of all lacing cords at first cavity support fitting before installing fuel tank to ease lacing procedure.

- c. Inspect, fold and insert fuel tank (WP017 00).
- d. After positioning tank, remove pressure sensitive tape from cavity fittings.
- e. Certain supports, brackets or similar parts are adjustable and may need to be installed fingertight until mating components are installed. This allows alignment of the mating components for the final torque.





Technical Petrolatum, VV-P-236

f. Lubricate new packings with petrolatum before installation.

1

g. For alignment of tubes refer to WP013 00.

WARNING

Make sure improved couplings (W901K, W904K, 14J12 or 14C12) are installed where flagnoted on procedure to maintain aircraft safety in flight.

h. Install improved couplings (W901K, W904K, 14J12, or 14C12) where flagnoted on procedure. (QA)

- i. When a sequence is completed inspect applicable tasks listed below for compliance: (QA)
 - (1) Specific torque callouts.
 - (2) Items safetied with lockwire.
 - (3) Foreign objects removed.
 - (4) Coupling condition and security.
- (5) Tube/line condition and security, and torque if printed on tube/line.
 - (6) Fuel tank (bladder) condition.

2. INSTALLATION.

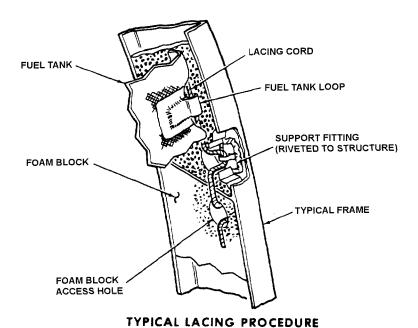
3. SEQUENCE 1.



To prevent damage to fuel tank be careful when trimming lacing cords.

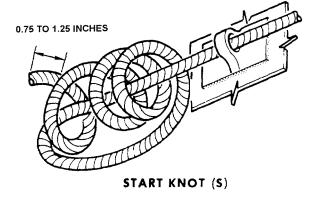
a. Cut fifty-eight 3 foot lengths of lacing cord and prepare lacing cords ends per WP013 00.

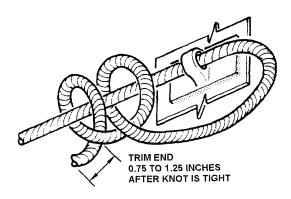
- b. Install lacing cords using the sequence numbers shown on the next three pages.
- c. Always pull cord completely through support fitting and fuel tank loop before starting into next fitting or loop.
- d. Limit lacing cord length to 0.75 to 1.25 inches past knot.



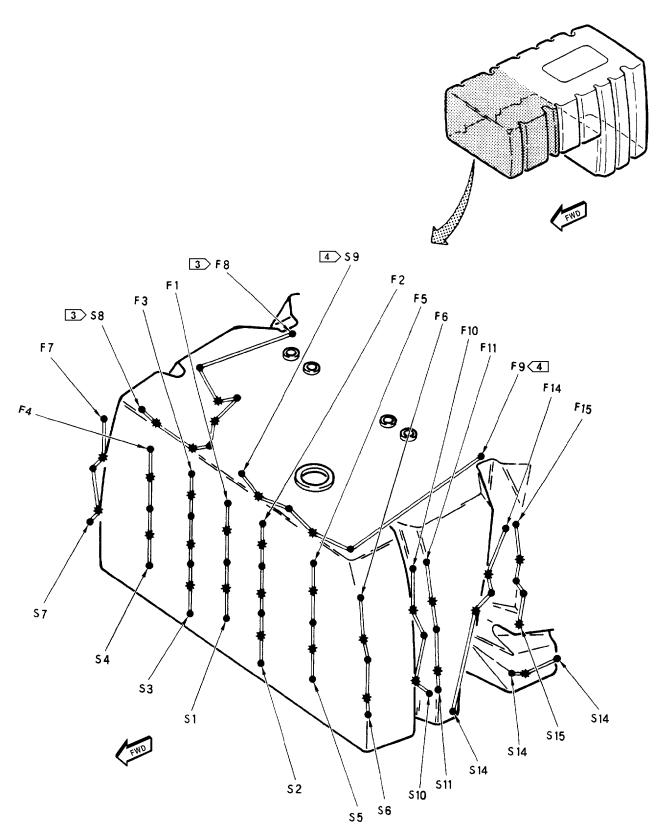
LEGEND

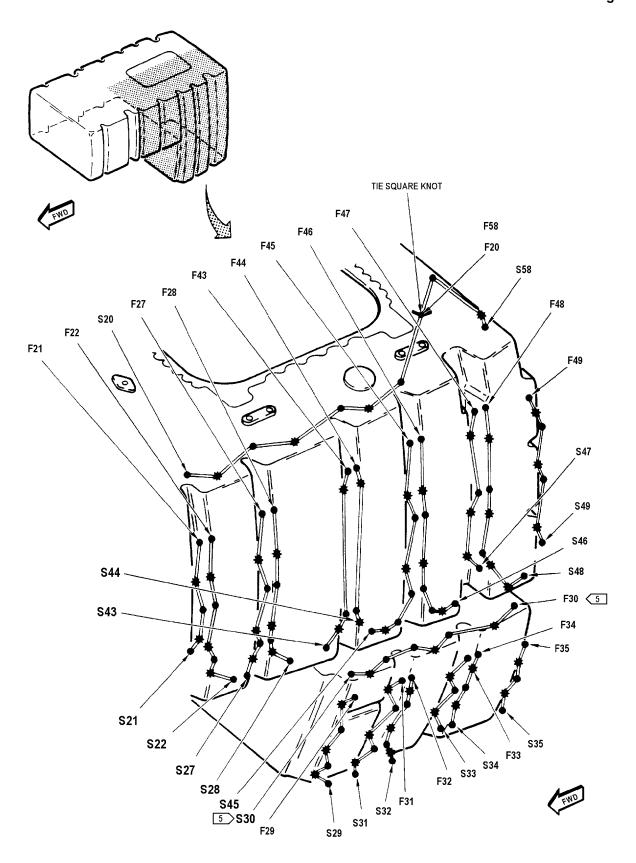
- 1. * INDICATES A FUEL TANK ATTACH POINT.
- 2. INDICATES A STRUCTURAL ATTACH POINT.
- 3 START CORD 8 AND LACE TO SECOND SUPPORT FITTING. AFTER CORDS 12 AND 13 ARE DONE, LACE CORD 8 TO FOURTH SUPPORT FITTING. AFTER CORDS 16 AND 17 ARE DONE, COMPLETE CORD 8.
- START CORD 9 AND LACE TO THIRD SUPPORT FITTING AFTER CORDS 10, 11, 14 AND 15 ARE DONE, COMPLETE CORD 9.
- 5 START CORD 30 AND LACE TO SECOND SUPPORT FITTING. AFTER CORDS 31,32 AND 33 ARE DONE, LACE CORD 30 TO FOURTH SUPPORT FITTING. AFTER CORDS 34 AND 35 ARE DONE, COMPLETE CORD 30.
- 6 START CORD 37 AND LACE TO SECOND SUPPORT FITTING. AFTER CORDS 38, 39 AND 40 ARE DONE, LACE CORDS 37 TO FOURTH SUPPORT FITTING. AFTER CORDS 41 AND 42 ARE DONE, COMPLETE CORDS 7.
- 7 USE ONLY COUPLINGS W901K, W904J, W904K, 14J12 OR 14C12.

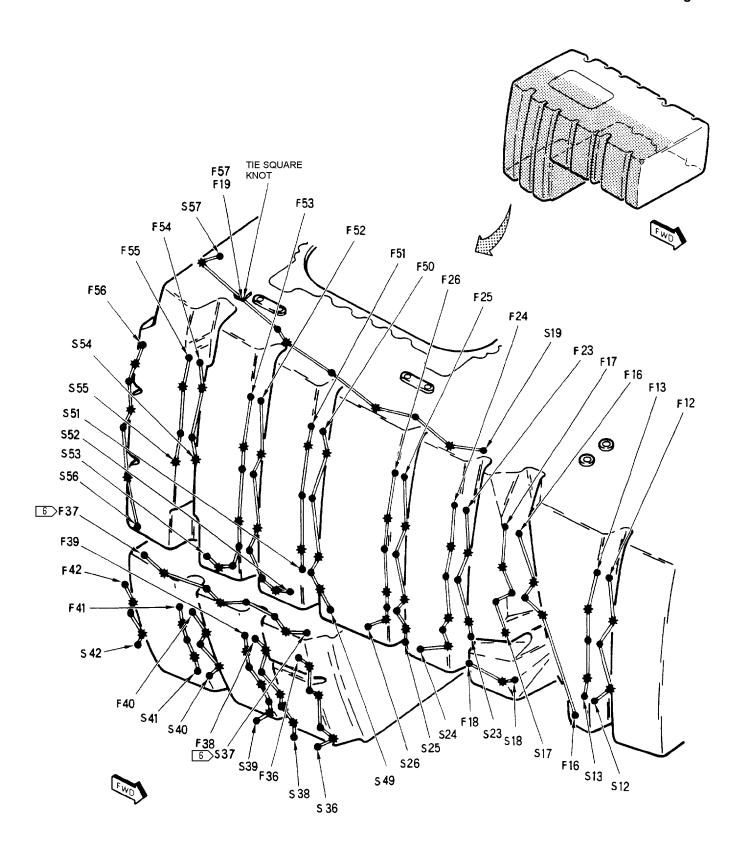




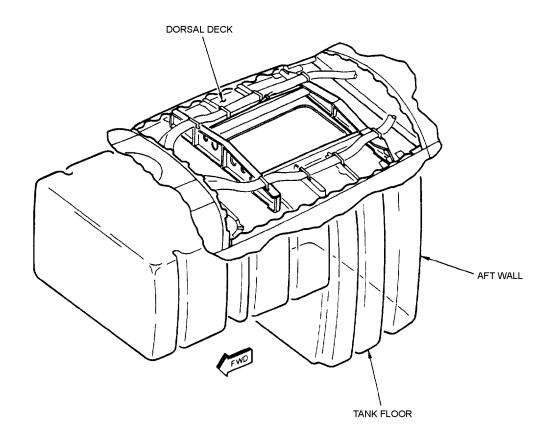
FINISH KNOT (F)





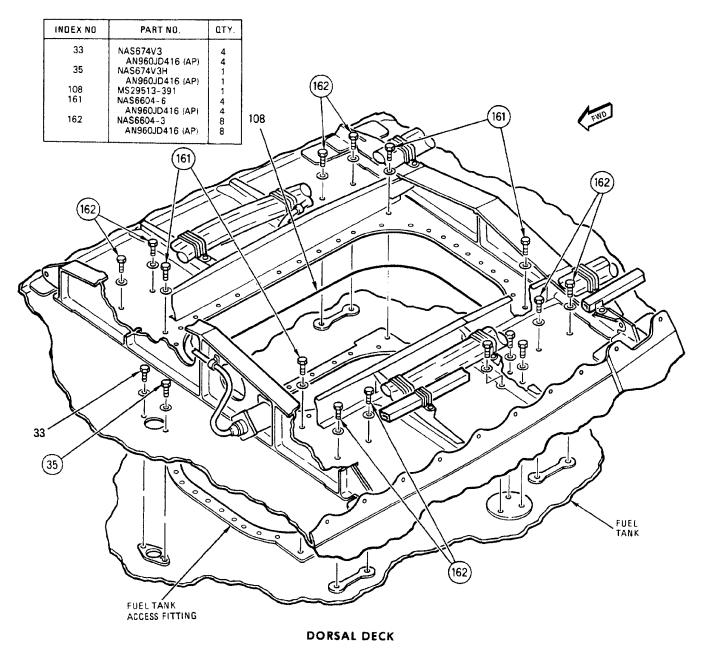


4. SEQUENCE 2.

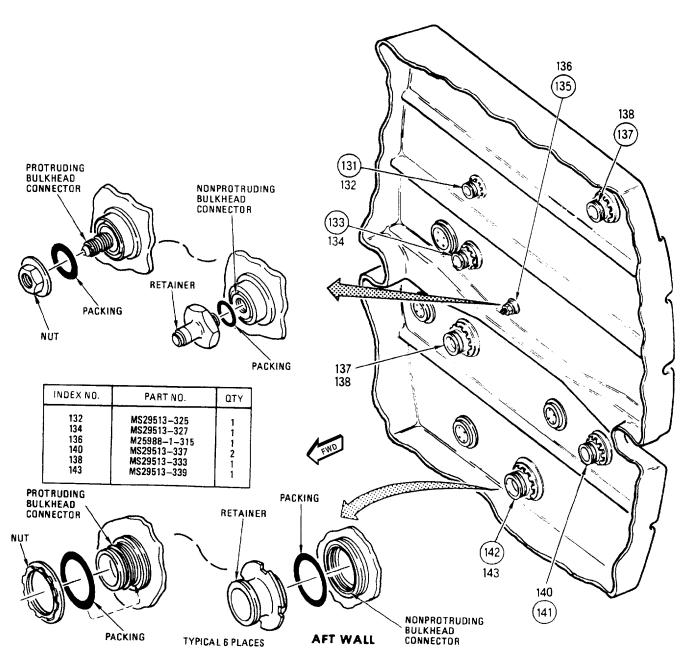


- a. Install thirteen bolts (33, 35 and 162) and washers.
- b. Prepare mating surfaces of tank fittings and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).

c. Install packing (108), bolts (161) and washers.



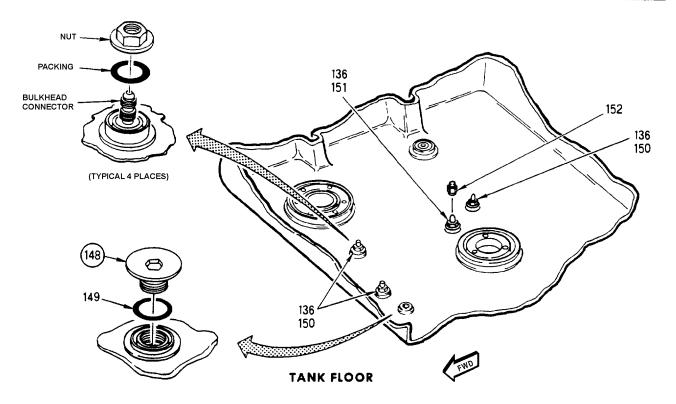
d. Install packings (132, 134, 136, 138, 140 and 143), nuts or retainers (131, 133, 135, 137, 141 and 142) and verify running torque and final torque per WP013 00. (QA)



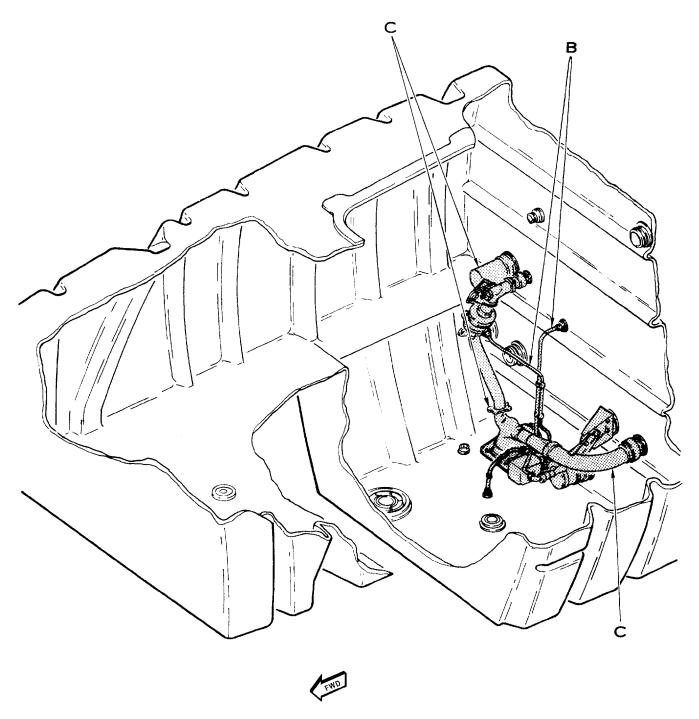
e. Install packing (149) and adapter (148). Torque adapter (148) 70 to 90 inch-pounds. (QA)

f. Install packings (136), nuts (150 and 151), cap (152) and verify running torque and final torque of nuts per WP013 00. (QA)

INDEX NO.	PART NO.	ату
136 149	M25988/1-315 MS25913-213	4



5. **SEQUENCE 3**.

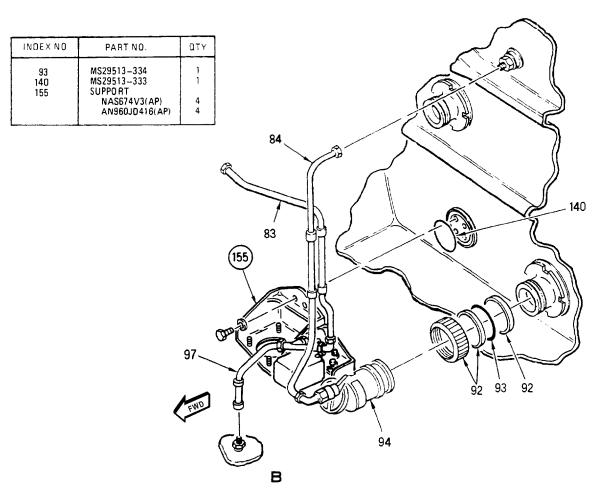


- a. Prepare mating surfaces of support (155) and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000)
 - b. Install packings (93 and 140), support (155)

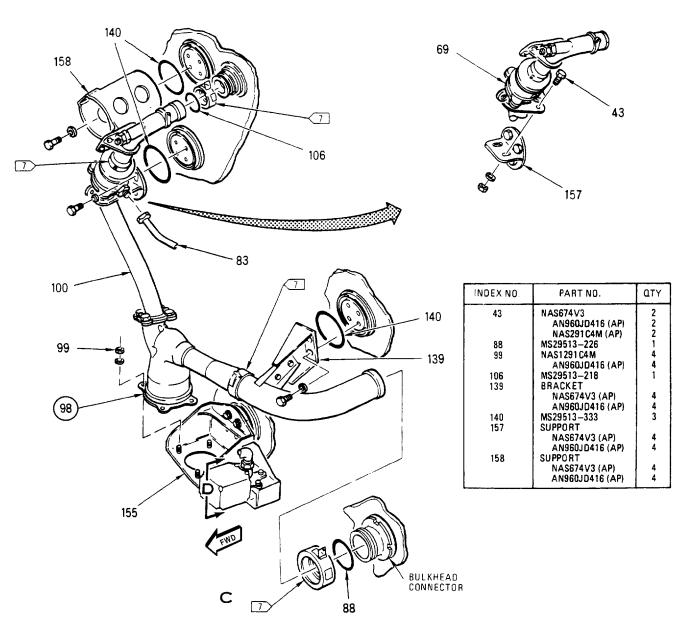
and valve (94) with tubes (83, 84 and 97).

Tighten coupling (92) handtight and support (155) attaching parts fingertight.

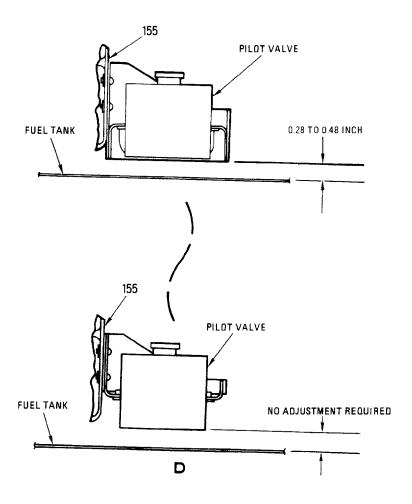
c. Connect tubes (84 and 97).



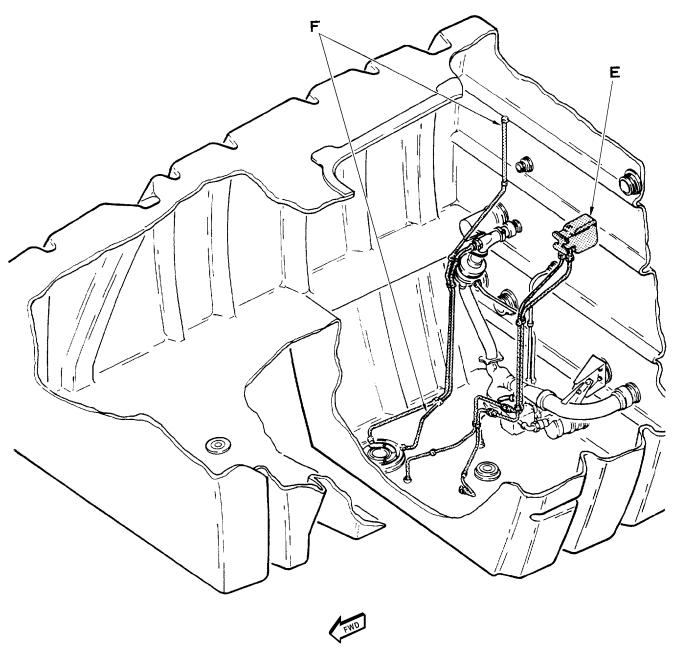
- d. Prepare mating surfaces of bracket (139), ejector (98), supports (155 and 158), and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- e. Install packings (106, 140 and 88), ejector (98), valve (69) and related parts. Tighten all attaching parts after adjusting support (155), if required, per detail D.
 - f. Connect tube (83).



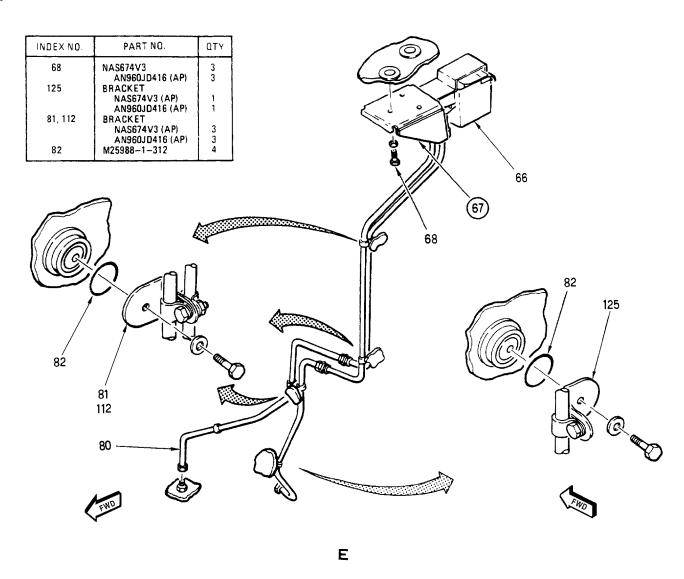
g. Adjust support (155), if required, so clearance is as shown below. Tighten support (155) bolts.



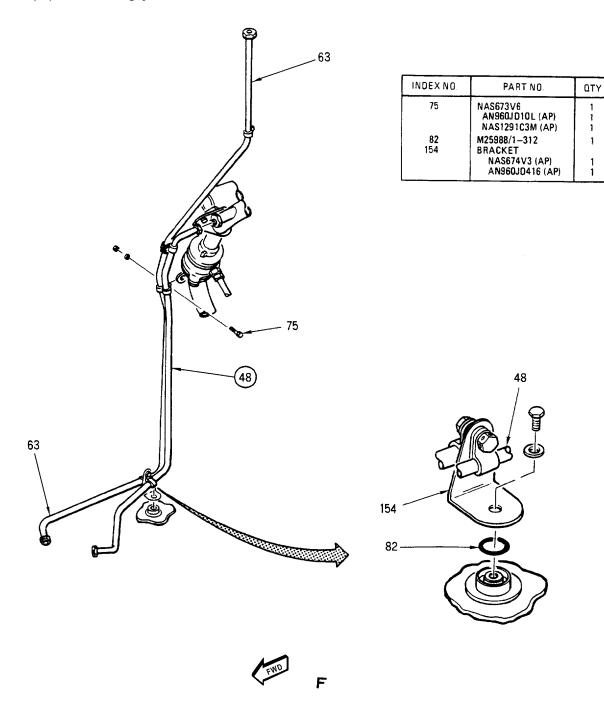
6. SEQUENCE 4.



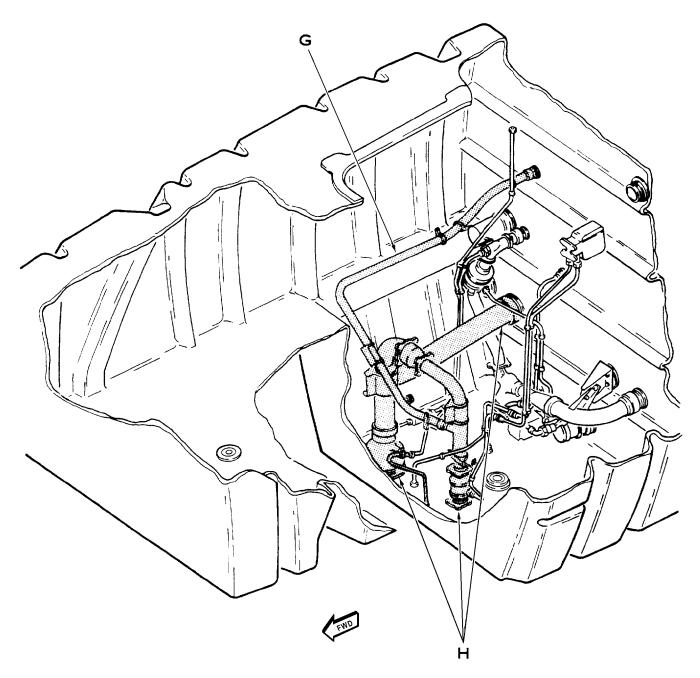
- a. Prepare mating surfaces of bracket (67) and tank fitting for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. Install support (67) with valve (66) and related parts.
- c. Connect tube (80).
- d. Install packings (82) and bracket (81, 112 and 125) attaching parts.



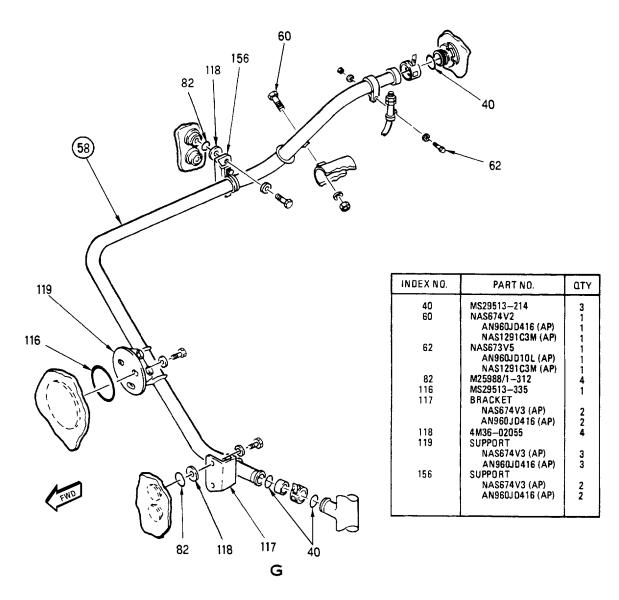
e. Install tubes (48 and 63), packing (82), bracket (154), bolt (75) and attaching parts.



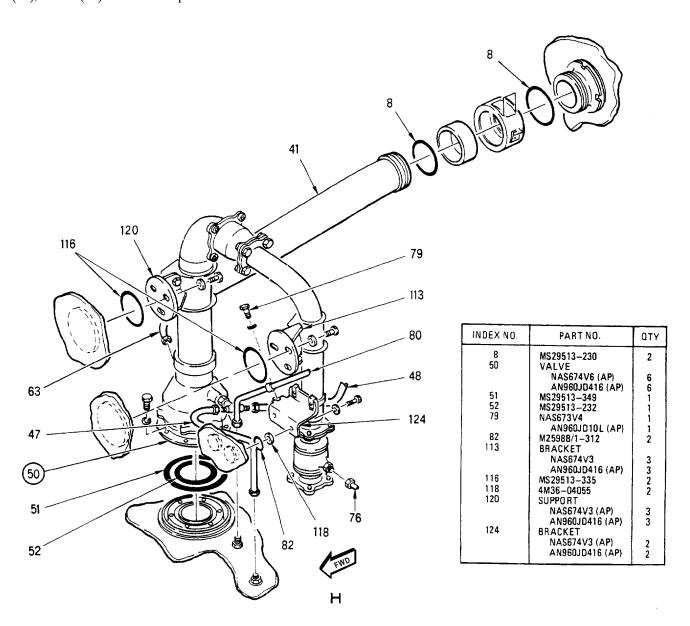
7. **SEQUENCE 5**.



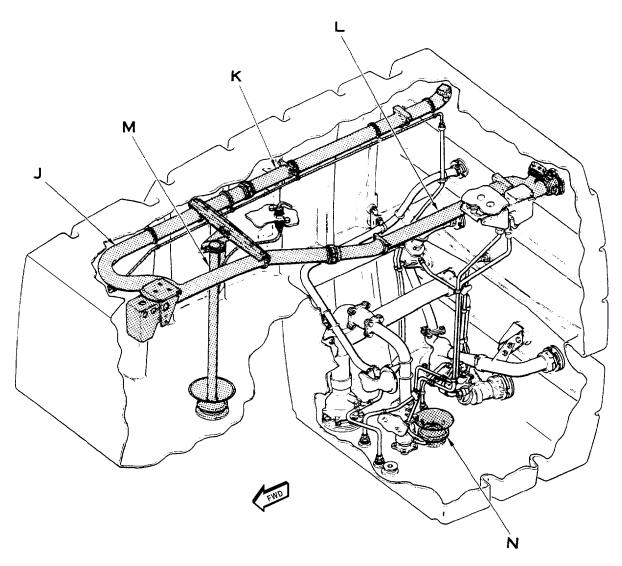
- a. Prepare mating surfaces of bracket (117), supports (119 and 156) and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. Install packings (40, 82, and 116), tube (58) and related parts.



- c. Prepare mating surfaces of valve (50), supports (113 and 120), bracket (124) and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- d. Install packings (8, 51, 52, 82, and 116), tube (41), valve (50) and related parts.
- e. Connect tubes (48, 63 and 76).
- f. Install tube (47) and install bolt (79) and washer (79).



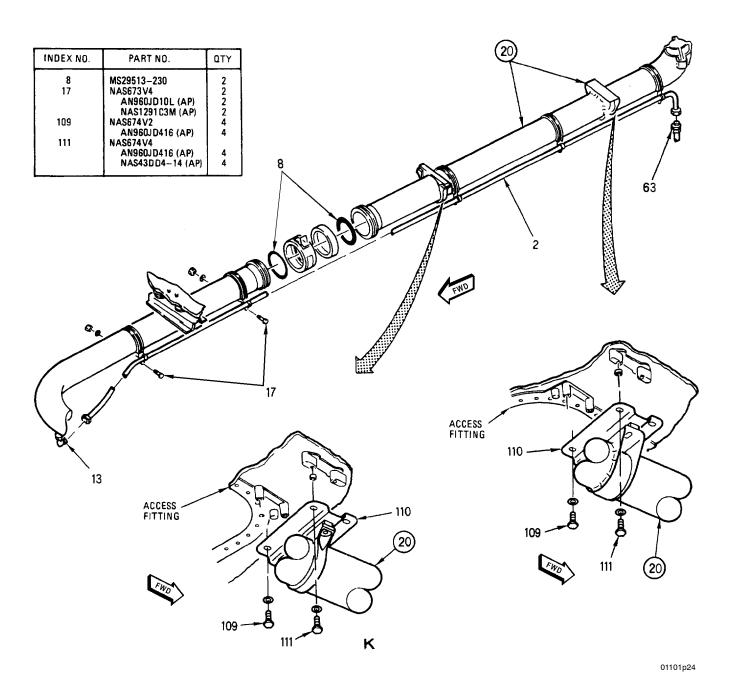
8. SEQUENCE 6.



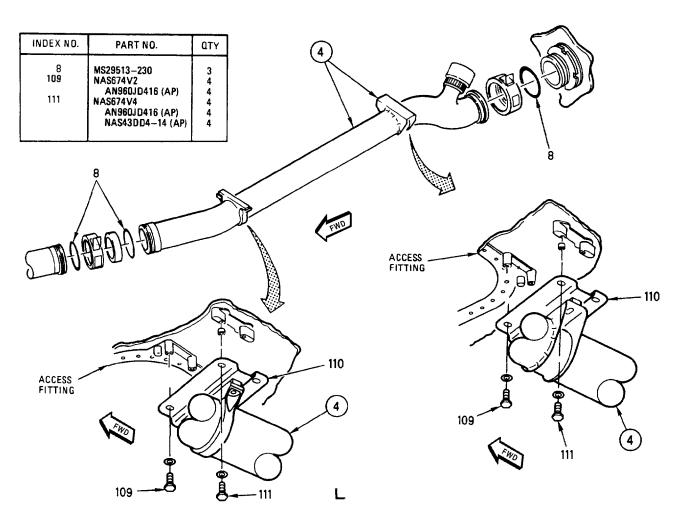
- a. Prepare mating surfaces of tube (14), support (126) and valve (12) for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. Install packings (82 and 127), washer (130), supports (126 and 129), tube (14) and attaching parts.
- c. Install channel (11) and attaching parts.
- d. Install valve (12) and torque bolts $20\ \text{to}\ 30\ \text{inch-pounds.}$ (QA)

INDEX NO.	PART NO.	ΩТΥ
11	CHANNEL ASSY NAS674V1 (AP)	4
12	AN960JD416L (AP)	4
	NAS674V3 (AP) AN960JD416 (AP)	4
82 12 6	M25988/1-312	4
120	SUPPORT NAS674V3 (AP)	4
129	AN960JD416 (AP) SUPPORT	4
	NAS674V3 (AP) AN960JD416 (AP)	4
127 130	MS29513-335 4M36-02055	1 4
	L	
		FW

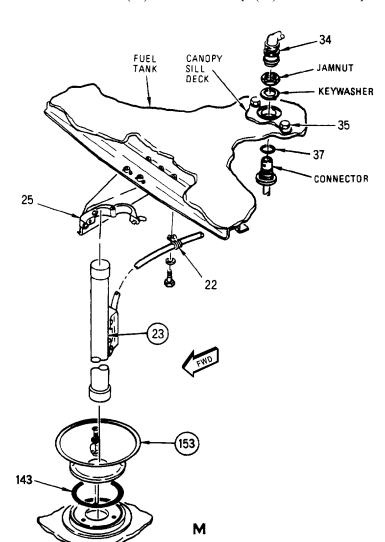
- e. Prepare mating surfaces of bracket hat (110) and access fitting for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- f. Install packings (8), tubes (2 and 20) and related parts.
- g. Connect tube (2) to tube (63) and elbow (13).
- h. Install bolts (17, 109, and 111) and attaching parts.

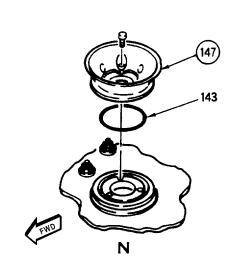


- i. Prepare mating surfaces of bracket hat (110) and access fitting for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- j. Install packings (8 and 23), tube (4) and related parts.
 - k. Install bolts (109 and 111) and attaching parts.



- 1. Prepare mating surface of case (147 and 153) bolts for electrical bond at one bolt connection (A1-F18AC-LMM-000).
 - m. Install packings (143) and case (147 and 153).
 - n. Install transmitter (23) and close clamp (25).
- o. Position connector and install packing (37), keywasher and jamnut. Safety jamnut to bolt (35) with lockwire. (QA)
 - p. Install clamp (22) and attaching parts.
 - q. Connect Connector (34).





INDEX NO.	PART NO.	ату
22	CLAMP NAS673V3 (AP) AN960JD10L (AP)	1
37	M25988-2-116	i
143 147	MS29513-339 CASE	2
153	NAS663V2HT (AP)	3
,,,,	NAS673V2 (AP) AN960JD10L (AP)	3

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- r. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01). (QA)
 - s. Install access cover (WP003 00).
- t. Connect both utility and emergency battery connectors (WP013 00) and remove no-power tag from external power receptacle.
- u. Refuel aircraft (A1-F18AC-PCM-000). Let stand 24 hours and inspect for leaks at cavity drain.
- v. Do internal fuel transfer and engine fuel supply system test (A1-F18AC-460-200, WP012 00).

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ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

INSTALLATION - NO. 1 FUEL TANK (5CAP508)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18A 161520 AND UP; ALSO 161353 THRU 161519 AFTER F/-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115

Reference Material

Fuel System	A1-F18AC-460-300
No. 1 Fuel Tank Access Cover - F/A-18A	WP003 00
IPB - No. 1 Fuel Tank - F/A-18A	WP012 00
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
No. 1 Fuel Tank Inspection and Folding	WP017 00
Fuel System	A1-F18AC-460-200
Internal Fuel Transfer and Engine Fuel Supply System Test	WP012 00
Line Maintenance Procedures	A1-F18AC-LMM-000
General Wiring Repair Procedures	A1-F18AC-WRM-000
Piping Installation Manual	A1-F18AC-PIM-000
Piping Removal, Installation and Repair Data	WP003 00
Plane Captain Manual	A1-F18AC-PCM-000

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Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve and Raised Inverted Baffle. (ECP MDA-F/A-18-00055C1)	15 Jul 86	-
F/A-18 AFC 39	-	No. 1 Fuel Tank Interconnect Valve Replacement and Fuel Sequencing Modification (ECP MDA-F/A-18-00072C1)	15 Oct 86	-
F/A-18 IAFC 115	-	Y383 Bulkhead Fatigue Improvements (ECP MDA-F/A-18-00266)	1 Oct 88	-

Support Equipment Required		Materials Required		
Part Number or Type Designation	Nomenclature	Specification or Part Number	Nomenclature	
-	Torque Wrench, 0 to 50 Inch-Pounds	MS20995NC32 (CAGE 96906)	Lockwire	
-	Torque Wrench, 0 to 120 Inch-Pounds	VV-P-236 (CAGE 81348)	Petrolatum, Technical	
-	Torque Wrench, 0 to 600 Inch-Pounds	MIL-C-5040, Type 3	Cord, Fibrous	
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set	(CAGE 81349)		
152016-1	Fuel Tank Bulkhead Adapter (Retainer)	74K580001-1009 (CAGE 76301)	Preformed Packing Assortment	
	Socket Wrench	474 (CAGE 26066)	Tape, Pressure Sensitive	
74D460102-1001	Fuel Tank Bulkhead Nuts Adapter Set	AN960JD416L	Washer (3)	
6230-00-270-5419	Electric, General Purpose, Explosion Proof Lantern			

1. **GENERAL**

NOTE

For complete parts list, see no. 1 fuel tank IPB (WP012 00). Packings and hardware are listed in tables on each page.

Index numbers used to tag components during removal are circled on artwork of procedure to aid in reassembly.

- a. Do or observe fuel tank maintenance precautions (WP013 00).
- b. Apply pressure sensitive tape to all protruding type cavity fittings.

NOTE

Tie start knots of all lacing cords at first cavity support fitting before installing fuel tank to ease lacing procedure.

- c. Inspect, fold and insert fuel tank (WP017 00).
- d. After positioning tank, remove pressure sensitive tape from cavity fittings.
- e. Certain supports, brackets or similar parts are adjustable and may need to be installed fingertight until mating components are installed. This allows alignment of the mating components for the final torque.





Technical Petrolatum, VV-P-236

1

- f. Lubricate new packings with petrolatum before installation.
 - g. For alignment of tubes, refer to WP013 00.

WARNING

Make sure improved couplings (W901K, W904K, 14J12 or 14C12) are installed where flagnoted or procedure to maintain aircraft safety in flight.

h. Install improved couplings (W901K, W904K, 14J12 or 14C12) where flagnoted on artwork in procedure. (QA)

- i. When a sequence is completed inspect applicable tasks listed below for compliance: (QA)
 - (1) Specific torque callouts.
 - (2) Items safeties with lockwire.
 - (3) Foreign objects removed.
 - (4) Coupling condition and security.
- (5) Tube/line condition and security, and torque if printed on tube/line.
 - (6) Fuel tank (bladder) condition.

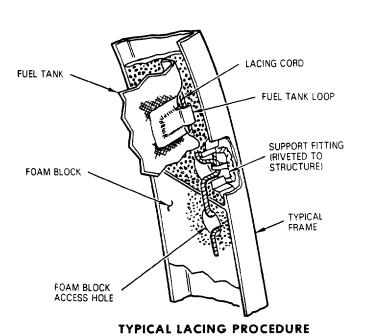
- 2. INSTALLATION.
- 3. SEQUENCE 1.

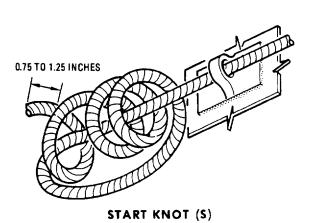


To prevent damage to fuel tank, be careful when trimming lacing cords.

a. Cut fifty-nine 3 foot lengths of lacing cord and prepare lacing cord ends per WP013 00.

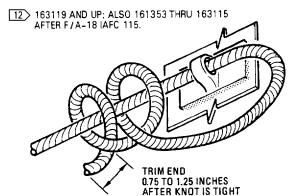
- b. Install lacing cords using the sequence numbers shown on the next three pages.
- c. Always pull cord completely through support fitting and fuel tank loop before starting into next fitting or loop.
- d. Limit lacing cord length to 0.75 to 1.25 inches past knot.



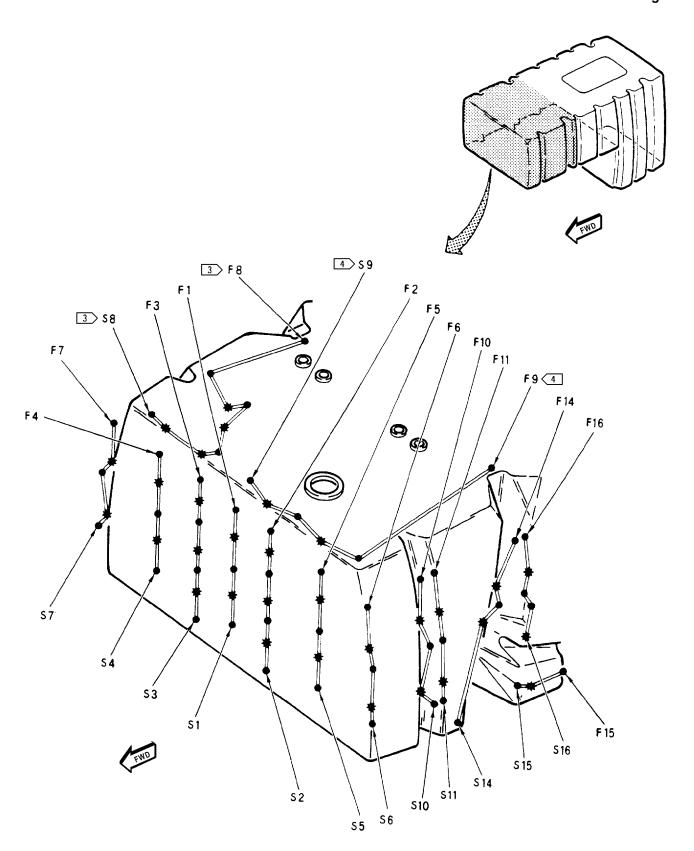


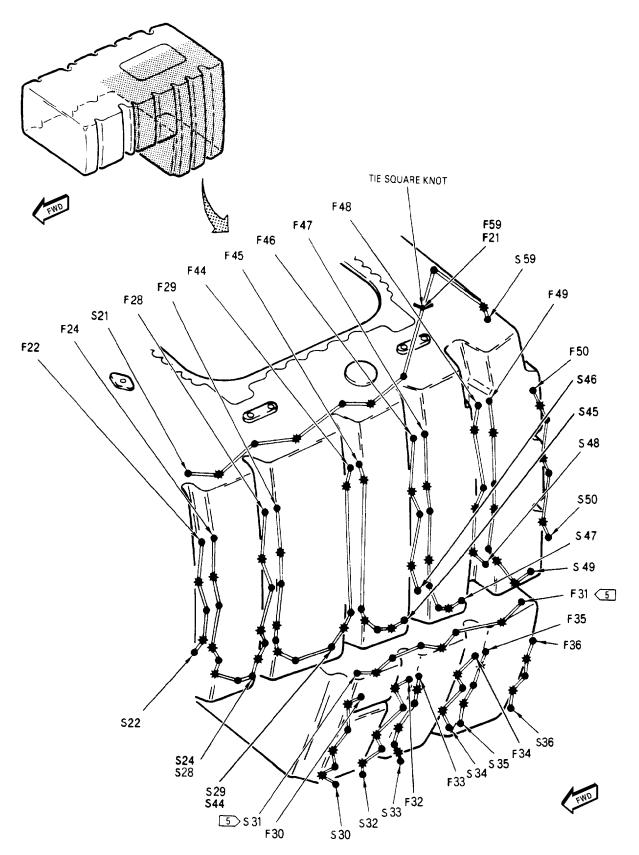
LEGEND

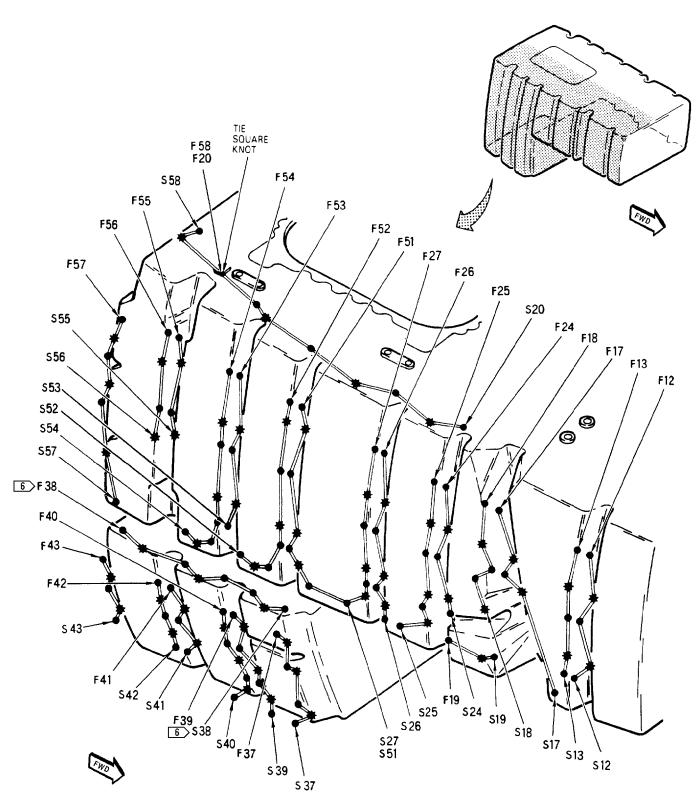
- 1 * INDICATES A FUEL TANK ATTACH POINT.
- 2. INDICATES A STRUCTURAL ATTACH POINT.
- 3 START CORD 8 AND LACE TO SECOND SUPPORT FITTING. AF-TER CORDS 12 AND 13 ARE DONE, LACE CORD 8 TO FOURTH SUPPORT FITTING. AFTER CORDS 16 AND 17 ARE DONE, COM-PLETE CORD 8.
- 4 START CORD 9 AND LACE TO THIRD SUPPORT FITTING AFTER CORDS 10, 11, 14 AND 16 ARE DONE, COMPLETE CORD 9.
- 5 START CORD 31 AND LACE TO SECOND SUPPORT FITTING.
 AFTER CORDS 32, 33 AND 34 ARE DONE, LACE CORD 31 TO
 FOURTH SUPPORT FITTING. AFTER CORDS 35 AND 36 ARE
 DONE, COMPLETE CORD 31.
- 6 START CORD 38 AND LACE TO SECOND SUPPORT FITTING.
 AFTER CORDS 39, 40 AND 41 ARE DONE, LACE CORD 38 TO
 FOURTH SUPPORT FITTING. AFTER CORDS 42 AND 43 ARE
 DONE, COMPLETE CORD 38.
- 7 TO LOCATE WIRE TERMINAL REPAIR INFORMATION IN A1-F18AC-WRM-000. USE WRA REFERENCE DESIGNATOR AND TERMINAL NUMBER. 5A-E035 SPLICE AREA ON 161520 THRU 161761.
- 8 USE ONLY COUPLING W901K, W904K, 14J12 OR 14C12.
- 9 161520 THRU 162909.
- 10> 163092 AND UP.
- 11 161520 THRU 163118 BEFORE F/A-18 IAFC 115.



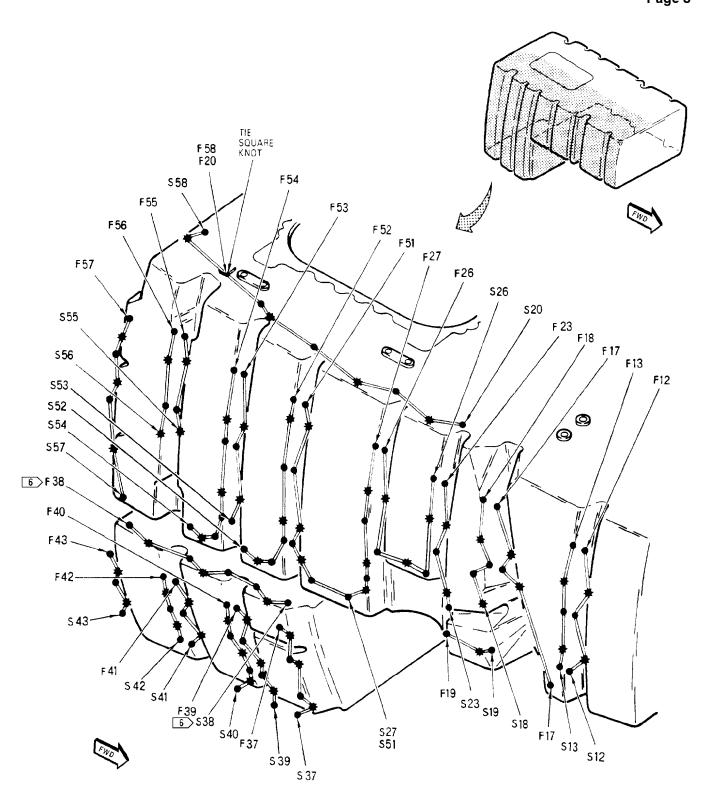
FINISH KNOT (F)





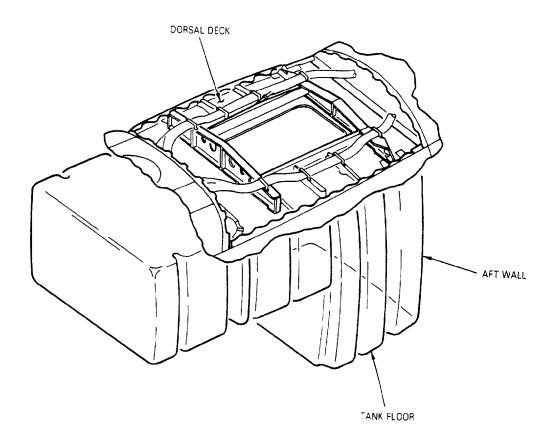


161520 THRU 161987



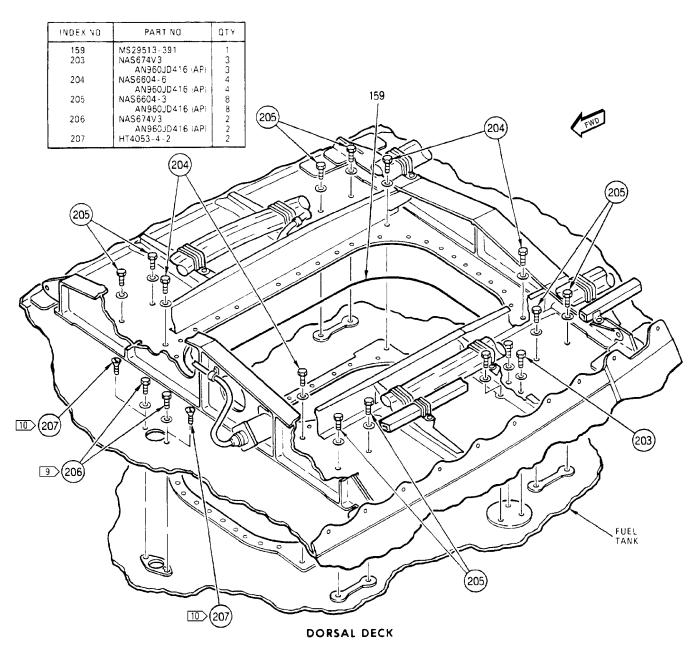
162394 AND UP

4. SEQUENCE 2.

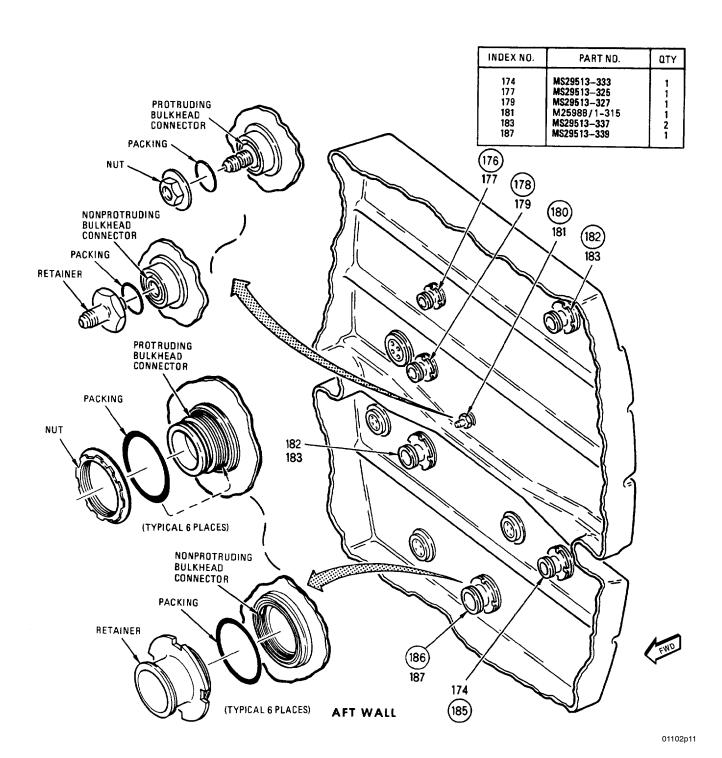




- a. On 161520 THRU 162909 install bolts (203, 205 and 206) and washers.
- b. On 163092 AND UP, install bolts (203 and 205) with washers, and screws (207).
- c. Prepare mating surfaces of fuel tank fittings and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- d. Install packing (159) and bolts (204) and washers.



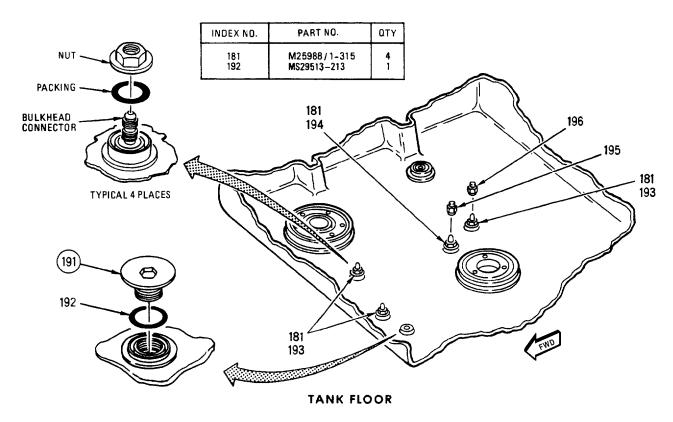
e. Install packings (174, 177, 179, 181, 183 and 187), nuts or retainers (176, 178, 180, 182, 185 and 186) and verify running torque and final torque per WP013 00. (QA)



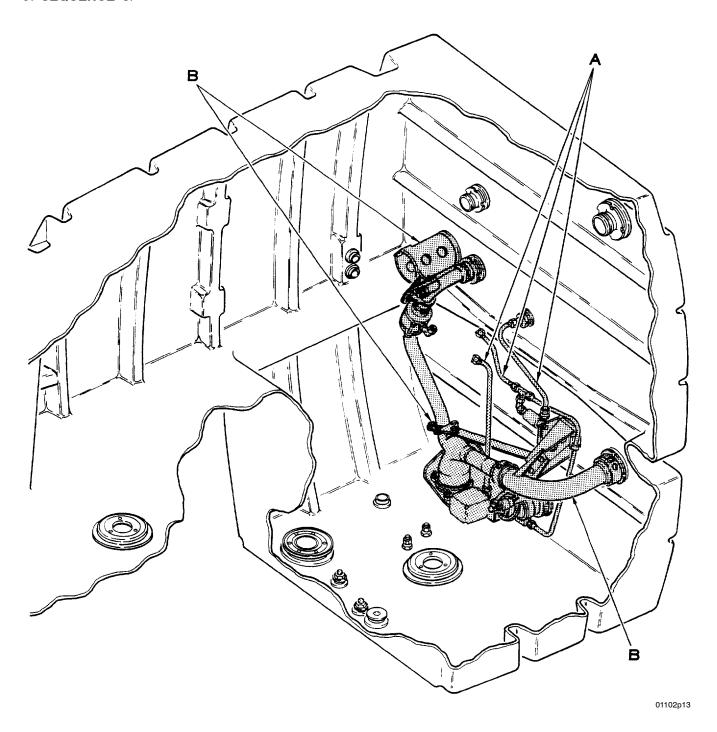
f. Install packing (192) and adapter (191). Torque adapter (191) 70 to 90 inch-pounds. (QA)

h. On 161966 AND UP; ALSO 161353 THRU 166195 AFTER F/A-18 AFC 053, install cap (196).

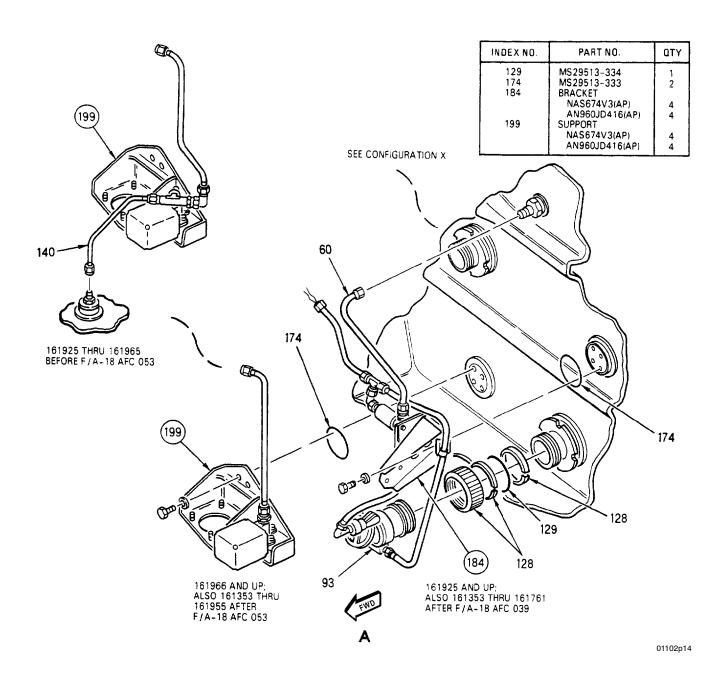
g. Install packings (181), nuts (193 and 194), cap (195) and verify running torque and final torque of nuts per WP013 00. (QA)



5. **SEQUENCE 3**.

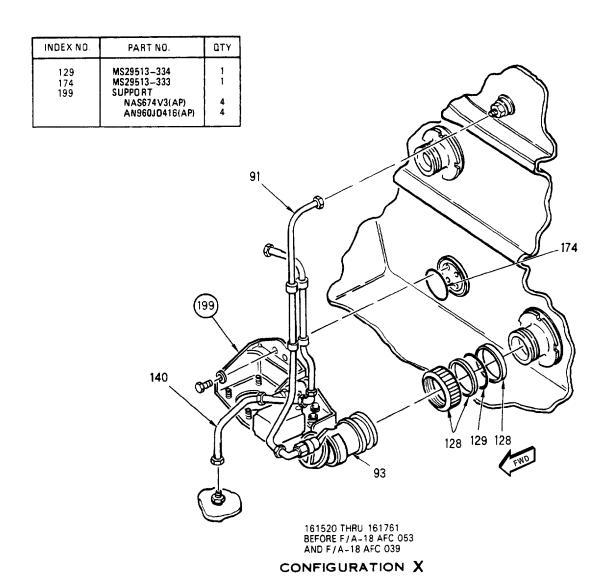


- a. Prepare mating surfaces of support (184), support (199), and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. On 161925 AND UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 039, install packings (129 and 174), support (184) and valve (93) assembly. Connect tube (60) and tighten nut assembly (128) handtight.
- c. ON 161925 THRU 161965 BEFORE F/A-18 AFC 053, install packing (174) and support (199) assembly with attaching parts fingertight and connect tube (140).
- d. On 161966 AND UP; ALSO 161353 THRU 161965 AFTER F/A-18 AFC 053, install packing (174) and support (199) assembly with attaching parts fingertight.



- e. On 161520 THRU 161761, do substeps below:
- (1) Prepare mating surfaces of support (199) and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- (2) Install packings (129 and 174), support (199) and valve (93) assembly with attaching parts fingertight. Tighten nut assembly (128) handtight.

f. On 161520 THRU 161761 BEFORE F/A-18 AFC 053 AND F/A-18 AFC 039, connect tube (91 and 140).



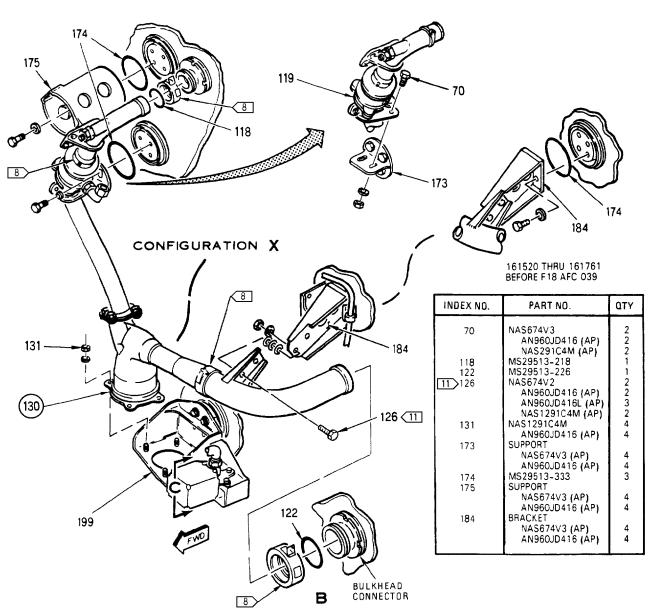
g. Prepare mating surfaces of bracket (184), ejector (130), supports (173 and 175) and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).

NOTE

On 161520 Thru 163118, a maximum of three washers may be added between bracket (184) and tube flange at one bolt (126) location to improve alignment of ejector (130).

h. Install packings (118, 122 and 174), ejector (130), valve (119) and related parts. Tighten all attaching parts after adjusting support (199) per detail C.

i. On 161520 THRU 161761 BEFORE F/A-18 AFC 39, install bracket (184) attaching parts.



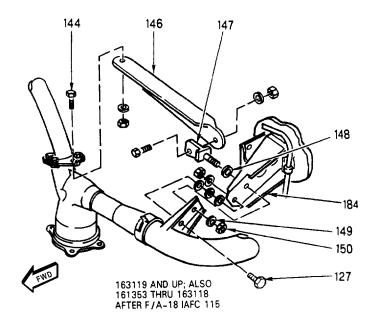
- j. On 163119 AND UP, also 161353 THRU 163118 AFTER F/A-18 IAFC 115, install link (146) per substeps below:
- (1) Install link (146) to plate (145) using bolt (144). Install washer and nut finger tight.

NOTE

A maximum of six washers (148) may be used for shimming between support (184) and eyebolt (147).

(2) Install six washers (148) on eyebolt (147).

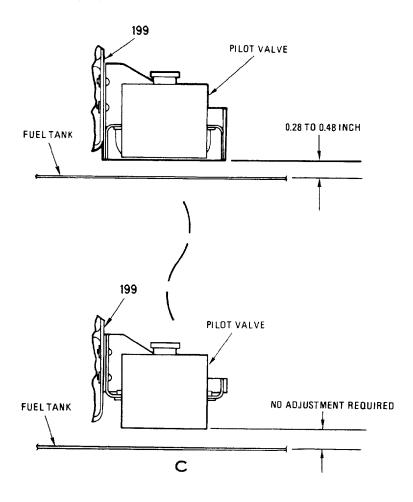
- (3) Insert eyebolt (147) through support (184). If hole in eyebolt aligns with hole in link (146), install bolt, washer, and nut. If holes do not align, remove as many washers (148) as required so hole in link and hole in eyebolt do align and then install bolt, washer, and nut.
- (4) Install washer (149) and nut (150) on eyebolt (147). Torque nut 50 to 60 inch pounds. (QA)
 - (5) Tighten bolt (144).



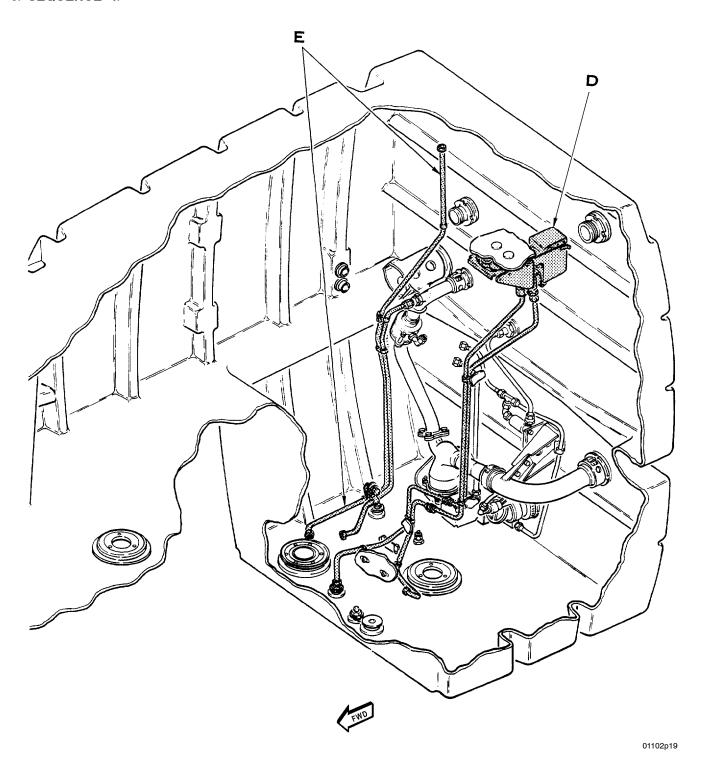
INDEX NO.	PART NO	QTY
12>127	NAS674V4 AN960JD416 (AP)	1
144	NAS1291C4M (AP) NAS675V4 AN960JD516 NAS1291C5M	1 1 1
148 149 150 146	NAS 1291C5M AN960JD416 AN960JD416 NAS1291C4M LINK NAS675V4 AN960JD516 NAS1291C5M	AR 1 1 1 1 1 1

CONFIGURATION X

k. Adjust support (199), if required, so clearance is as shown below. Tighten support (199) bolts.

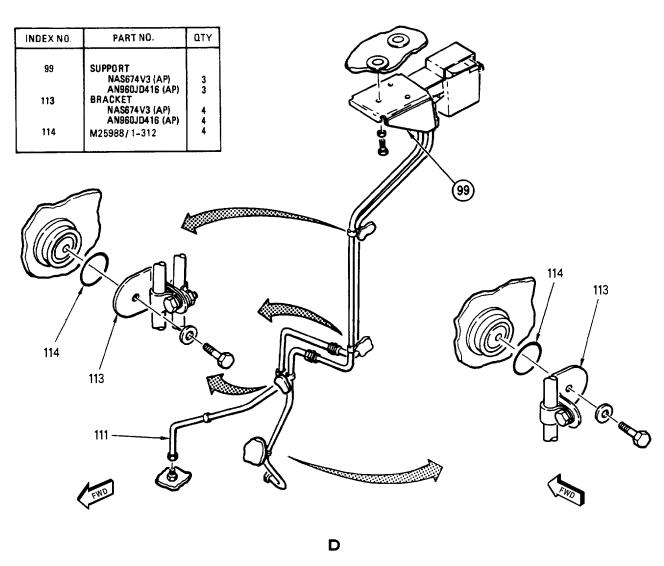


6. SEQUENCE 4.

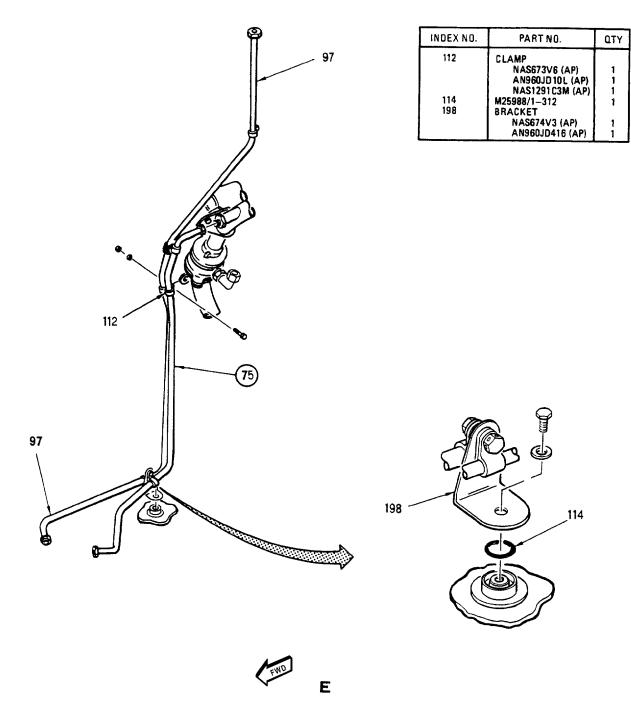


- a. Prepare mating surfaces of support (99) and tank fitting for electrical bond at one bolt connection (A1-F18AC-LMM-000).
 - b. Install support (99) and related parts.

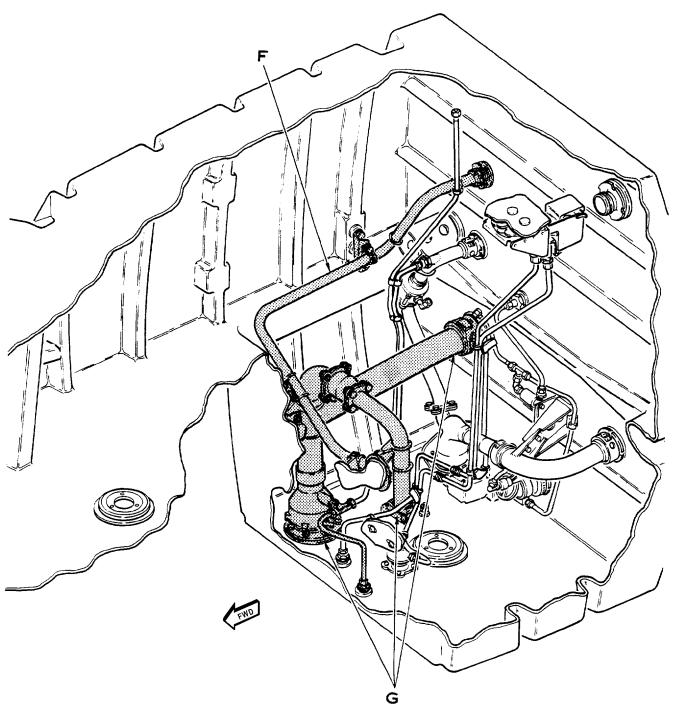
- c. Connect tube (111).
- d. Install packings (114) and brackets (113) attaching parts.



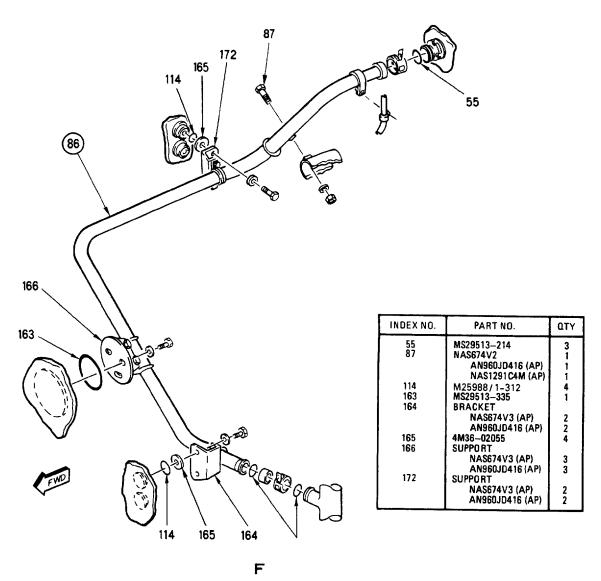
e. Install tubes (75 and 97), packing (114), bracket (198), and clamp (112) attaching parts.



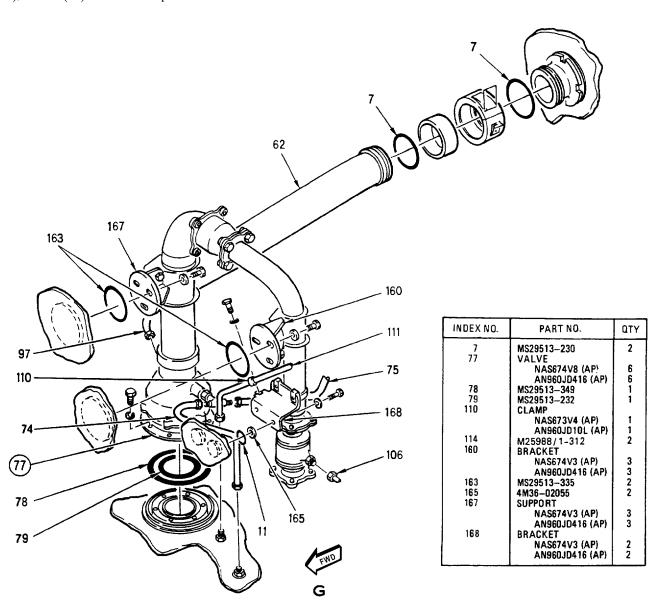
7. **SEQUENCE 5**.



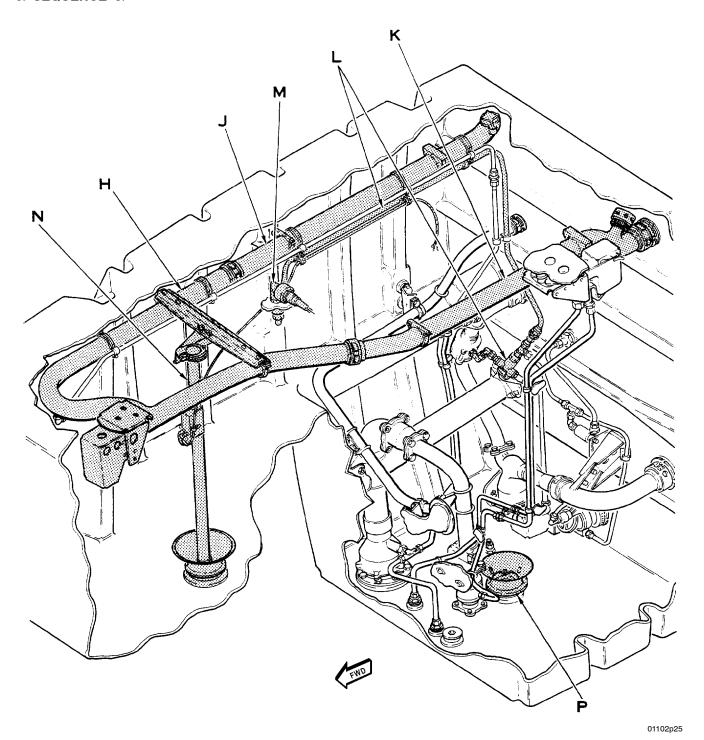
- a. Prepare mating surfaces of bracket (164), supports (166 and 172) and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. Install packings (55, 114, and 163), tube (86) and related parts.



- c. Prepare mating surfaces of valve (77), support (167), brackets (160 and 168) and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- d. Install packings (7, 78, 79, 114, and 163), tube (62), valve (77) and related parts.
- e. Connect tubes (75, 97, 106 and 111).
- f. Install tube (74), and clamp (110) attaching parts.



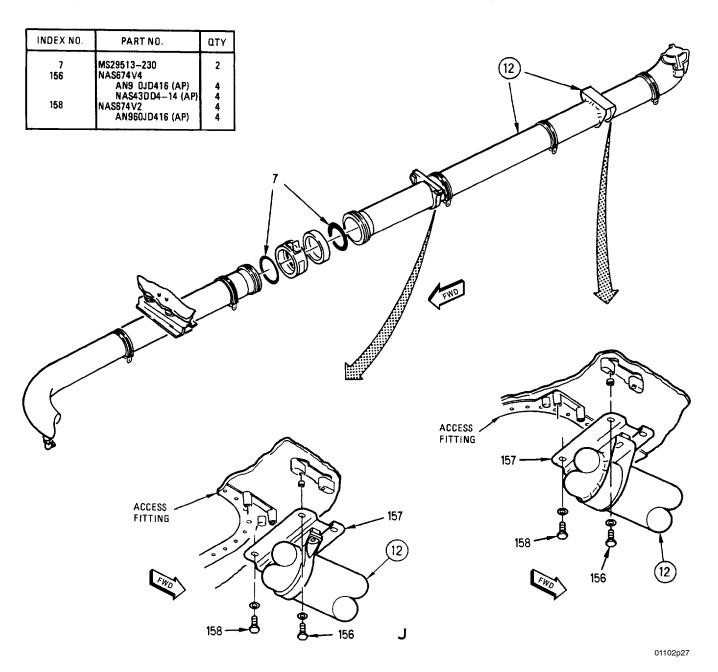
8. SEQUENCE 6.



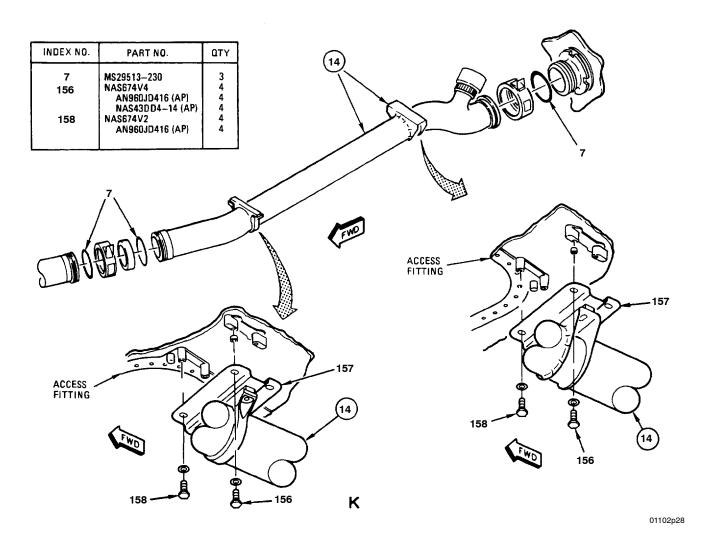
- a. Prepare mating surfaces of tube (2), support (151) and valve (20) for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. Install packings (114 and 152), support (151 and 154), tube (2) and related parts.
- c. Install channel (19) and attaching parts.
- d. Install valve (20) and torque bolts 20 to 30 inch-pounds. (QA) $\,$

INDEX NO.	PART NO.	ΩΤΥ
19	CHANNEL ASSY NAS674V1 (AP)	4
20	AN960JD416L (AP)	
20	VALVE NAS674V3 (AP)	4
114	AN960JD416 (AP) M25988/1-312	4 4
151	SUPPORT NAS674V3 (AP)	3
152	AN960JD416 (AP) MS29513-335	3
154	SUPPORT NAS673V3 (AP)	4
155	AN960JD416 (AP) 4M36-02055	4
	1,1100 02000	لـــــا
		1 CND

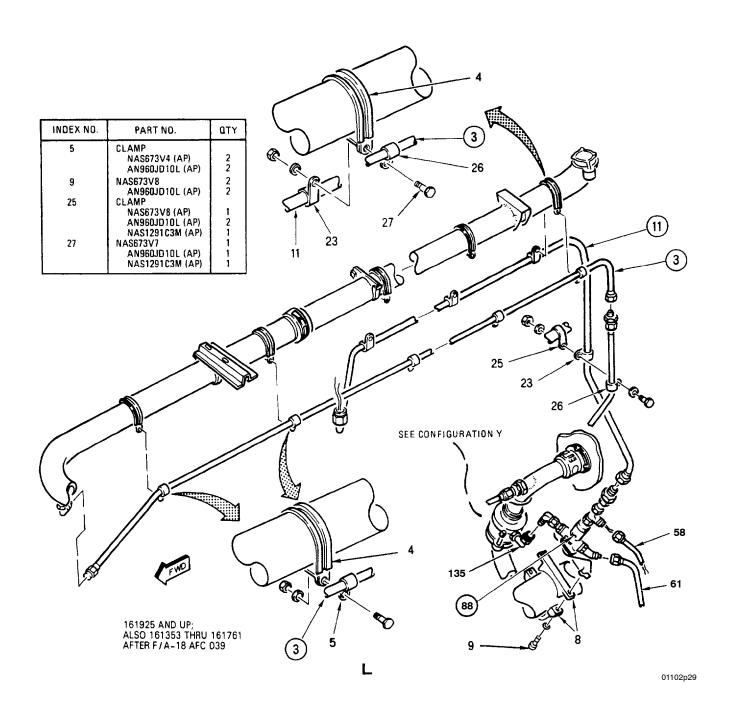
- e. Prepare mating surfaces of bracket hat (157) and access fitting for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- f. Install packings (7), tube (12) and related parts.
- g. Install bolts (156 and 158) and attaching parts.



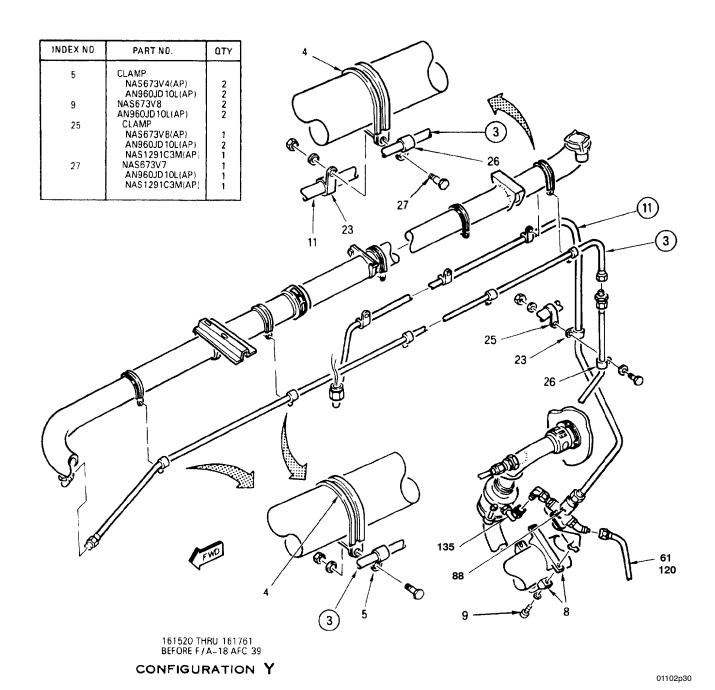
- h. Prepare mating surfaces of bracket hat (157) and access fitting for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- i. Install packings (7), tube (14) and related parts.
- j. Install bolts (156 and 158) and attaching parts.



- k. On 161925 AND UP; ALSO 161353 THRU 161761 AFTER, F/A-18 AFC 039, do substeps below:
- (1) Push tube (58) wires through valve (88) assembly separately and install valve (88). Connect tubes (58 and 61) and elbow (135). Torque tube (58) 130 to 180 inch-pounds. (QA)
- (2) Position tube (11), tie lacing tape to wires and carefully pull wires through tube (11), then remove lacing tape.
- (3) Connect tube (11) at valve (88) assembly and install tube (3). Torque tube (11) 300 to 400 inchpounds. (QA)
- (4) Connect or install clamps (4, 5, 8, 23, 25, and 26) and attaching parts.



- 1. On 161520 THRU 161761 BEFORE F/A-18 AFC 039, do substeps below:
- (1) Carefully lower valve (88) and (11) into tank and install clamp (8).
- (2) Connect tube (61 or 120) and elbow (135) to valve (88).
 - (3) Install tube (3).
- (4) Install or connect clamps (4, 5, 8, 23, 25, and 26) and attaching parts.



m. On 161520 AND UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39, do substeps below:

(1) Install packings (44 and 46) and push wires through adapter nut (47) and elbow (43) separately.





Technical Petrolatum, VV-P-236

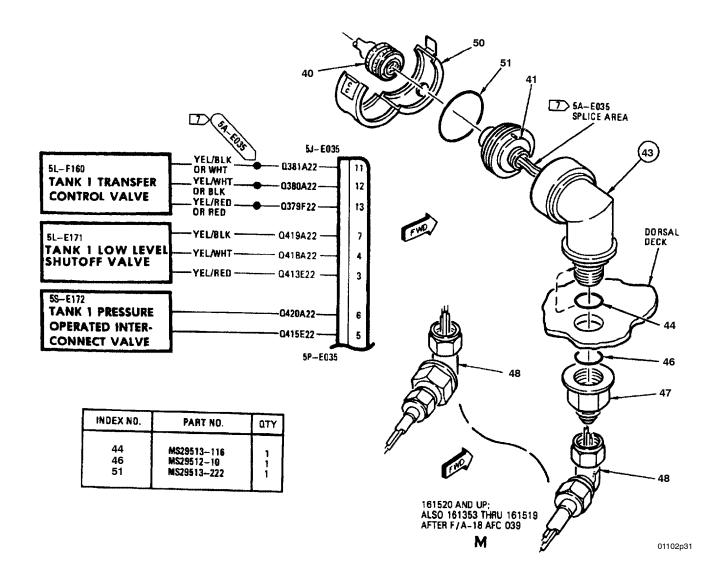
CAUTION

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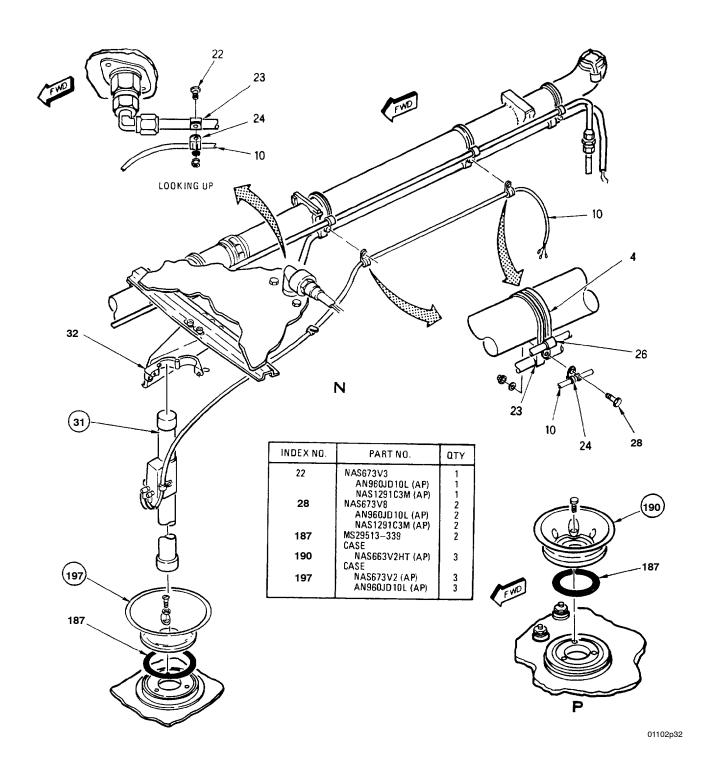
When installing new adapter nut, lubricate thread patch with thin coat of Petrolatum to prevent thread galling.

To prevent damage to the alignment key on the elbow (43), do not allow elbow (43) to rotate when installing nut (47).

- (2) Install elbow (43), adapter nut (47) and connect elbow (48). Torque elbow (48) and nut (47) 70 to 90 inch-pounds. (QA)
- n. Connect wires to receptacle or 5A-E035 splice area (161520 THRU 161761), as applicable (A1-F18AC-WRM-000). Make sure transfer shutoff valve and low level shutoff valve are correctly connected.
- o. On 161520 AND UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39, do substeps below:
- (1) Install packings (51), receptacle (41) assembly and coupling (50).
 - (2) Connect connector (40).



- p. Prepare mating surface of support (190 and 197) bolts for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- q. Install packings (187) and supports (190 and 197).
- r. Install transmitter (31) with cable assembly (10) and close clamp (32).
- s. Install or connect clamps (4, 23, 24 and 26) and attaching parts.



Page 33/(34 blank)

- t. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01). (QA)
 - u. Install access cover (WP003 00).
- v. Connect both utility and emergency battery connectors (WP013 00) and remove no-power tag from external power receptacle.
- w. Refuel aircraft (A1-F18AC-PCM-000) Let stand 24 hours and inspect for leaks at cavity drain.
- x. Do internal fuel transfer and engine fuel supply system test (A1-F18AC-460-200, WP012 00).

1 May 2001 Page 1/(2 blank)

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

IPB - NO. 1 FUEL TANK (5CAP508)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18A

Title	WP Number
IPB - No. 1 Fuel Tank - 161353 THRU 161519 BEFORE F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115	012 01
IPB - No. 1 Fuel Tank - 161520 AND UP; ALSO 161353 THRU 161519	
AFTER F/A-18 AFC 39, AND F/A-18 AFC 53,	
AND F/A-18 IAFC 115	012 02

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

IPB - NO. 1 FUEL TANK (5CAP508)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18A, 161353 THRU 161519 BEFORE F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115

Reference Material

None

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-

1. ILLUSTRATED PARTS BREAKDOWN.

- 2. Removal procedure for No. 1 Fuel Tank F/A-18A is in WP010 01. Index numbers in this WP match those in WP010 01.
- 3. Installation procedure for No. 1 Fuel Tank F/A-18A is in WP011 01. Index numbers in this WP match those in WP011 01.
- 4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

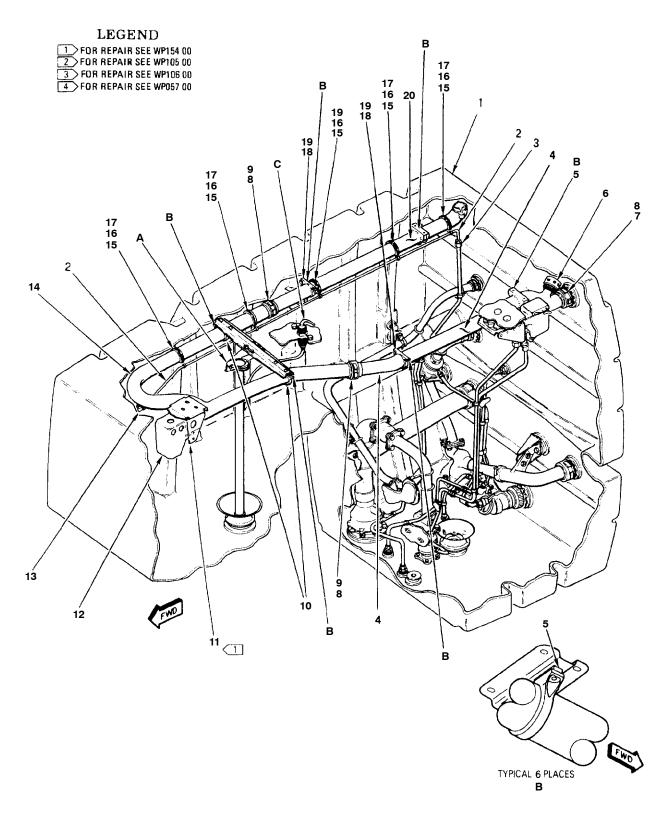


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 1)

12010101

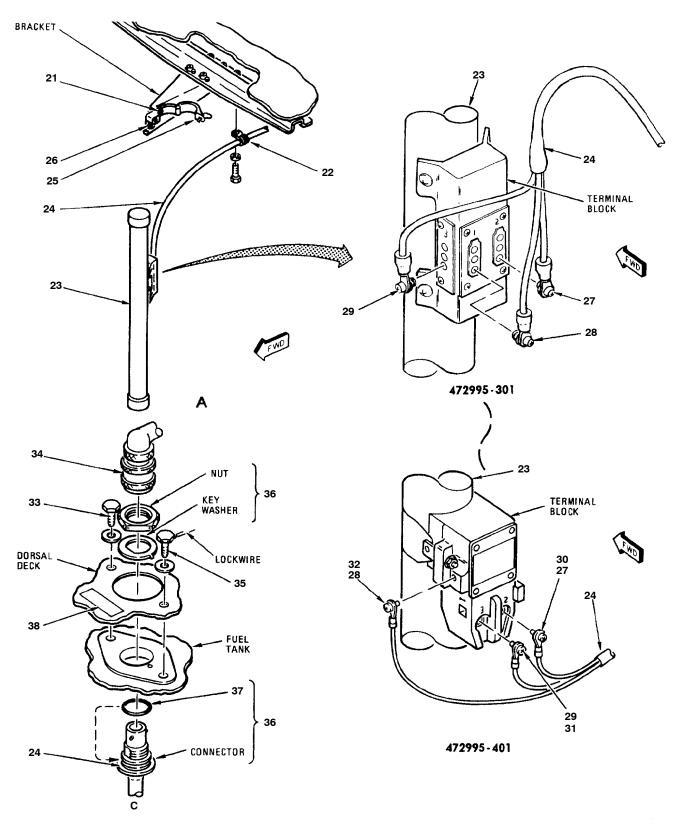


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 2)

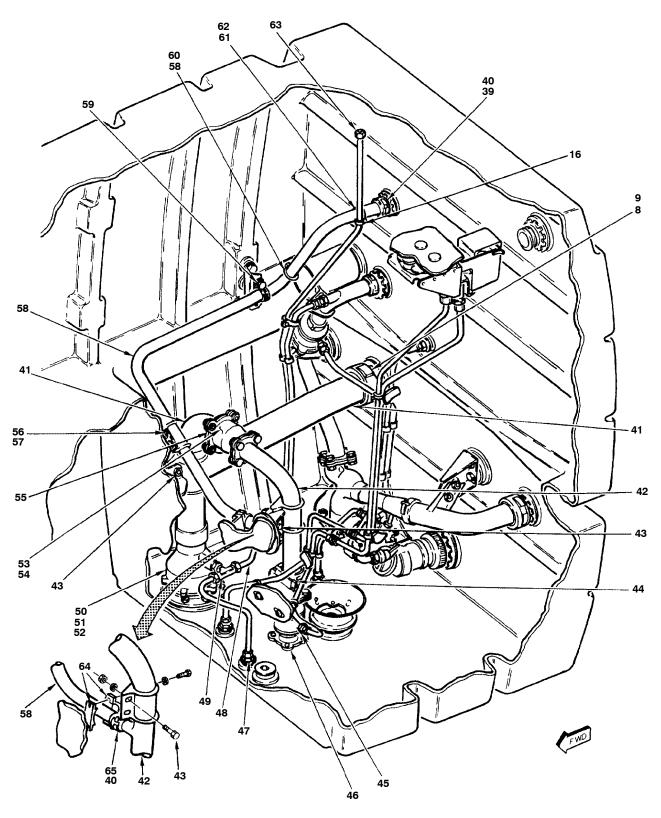


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 3)

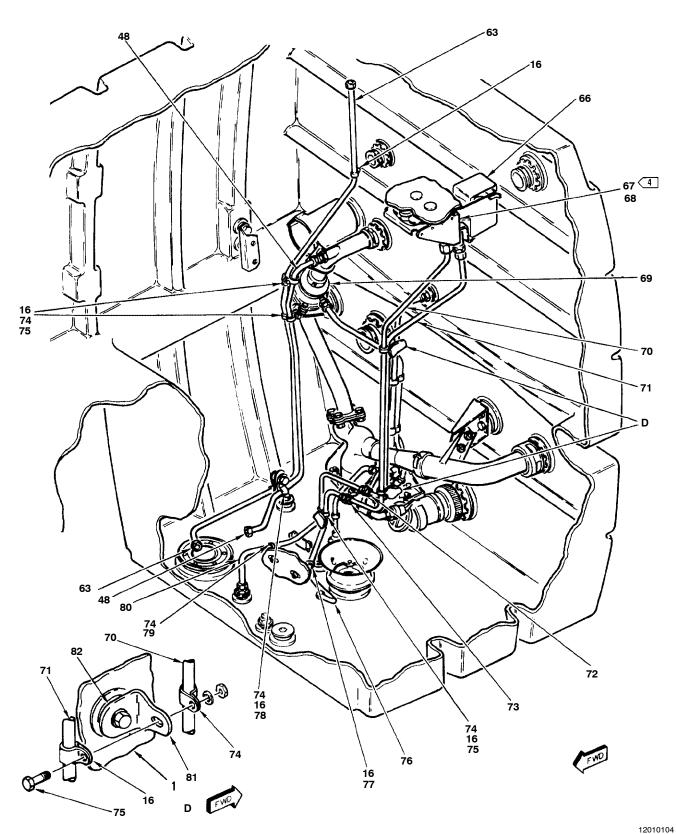


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 4)

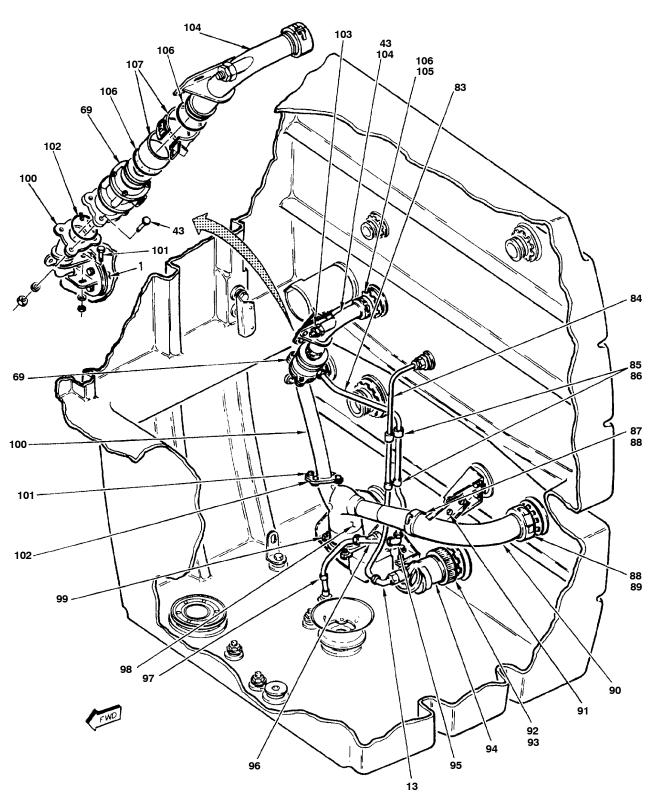


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 5)

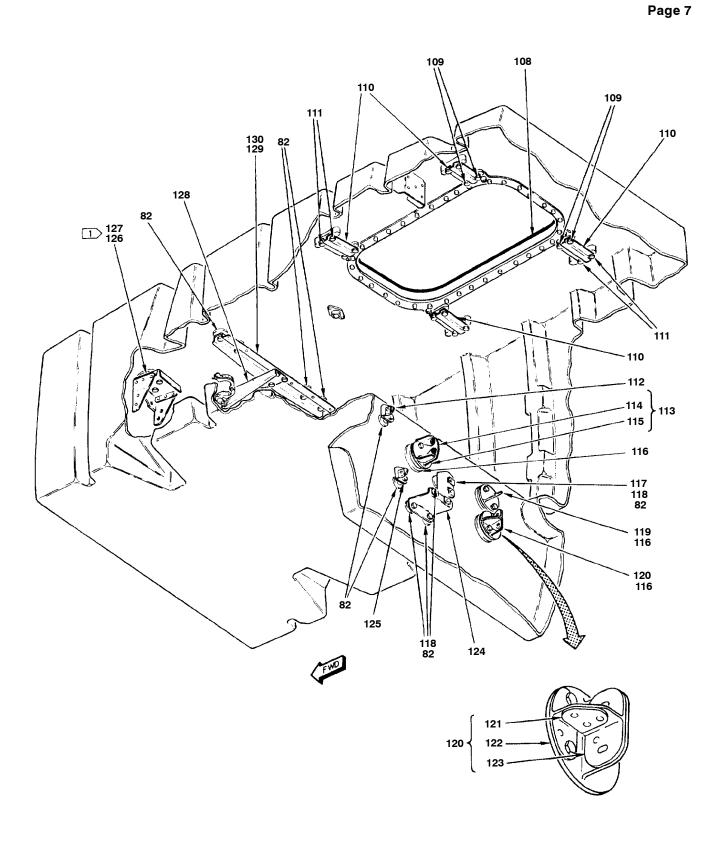


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 6)

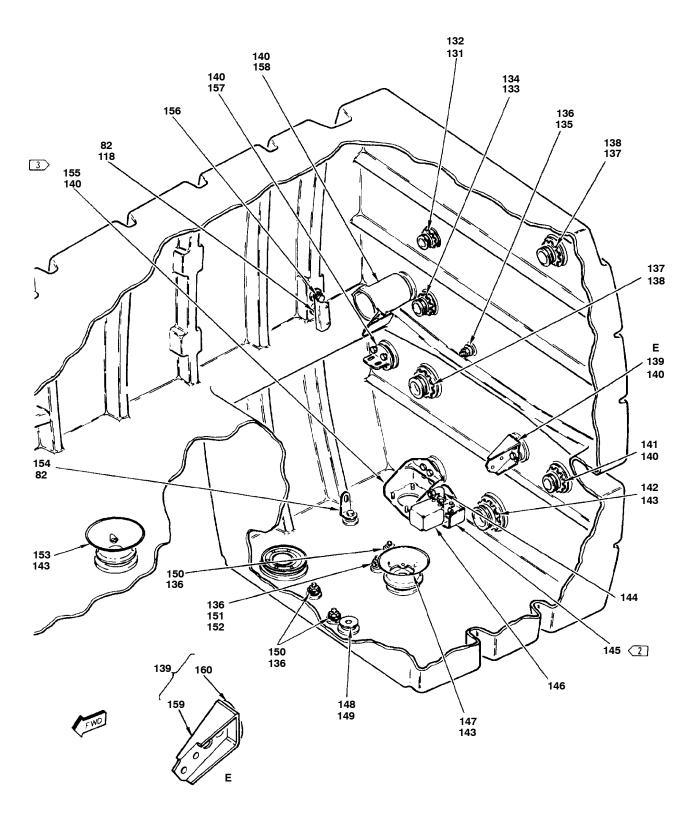
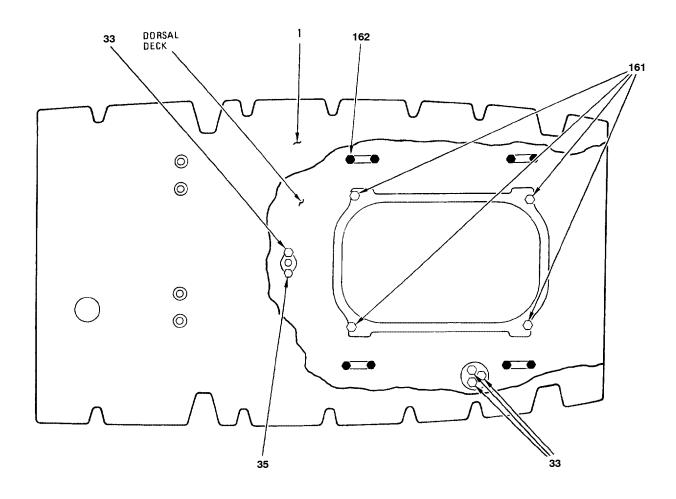


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 7)





12010108

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
1	62001-5	NO. 1 FUEL TANK (5CAP508) F/A-18A	1	*	PAODD
	FCR-63253	. SEE ABOVE (00333) (MCDONNELL SPEC 74-580161-123) (5CAP508)	1	*	PAODD
	62001-7 @	. SEE ABOVE (05476) (MCDONNELL SPEC 74-580161-137)	1	*	PAODD
	FCR-64992 @	. SEE ABOVE (00333)	1	*	PAODD
2	74A582008-1001	. TUBE ASSEMBLY, METAL VENT/SCAVENGE, Y348.296 (76301)	1		MGOZZ
3	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
4	74A581001-1005	. TUBE ASSEMBLY - VENT, TANK NO. 1 OUTLET (76301) (SUPERSEDES 74A581001-1003)	1		XBOZZ
	NAS673V2	BOLT (AP)	2		PAOZZ
	AN960JD10	. WASHER (AP)	2		PAOZZ
5	74A580699-2001	. SHIM (76301) (SIX PLACES) (MAXIMUM OF 3 SHIMS EACH PLACE)	AR		MGOZZ
6	P72-533	. VALVE, CHECK (NO. 1 FUEL TANK DIVE VENT CHECK VALVE) (91816) (MCDONNELL SPEC ST7M350-1A) (5VAP530)	1		PAOZZ
	W702-24D	NUT ASSEMBLY, TUBE COUPLING	1	*	PAOZZ
	12H72-24A	. SEE ABOVE (24984) (USE WITH INDEX 6)	1	*	PAOZZ
	MS29513-326	. PACKING (USE WITH INDEX 6)	1		PAOZZ
7	W904K40DE	COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M765-40D-1)	1		PAOZZ
	14C12-40A	. COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M765-40D-1)	1		PAOZZ
	W904F40DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M550-40D-1)	1	*	PAOZZ
8	MS29513-230	. PACKING	7		PAOZZ
9	W901K40DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	3		PAOZZ
	14J12-40A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	3		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 9)

r	T				
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	W901F40DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-40D) (INCLUDES SLEEVE)	3	ajc	PAOZZ
10	NAS1787A40G	. CLAMP	2		PAOZZ
	NAS673V9	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
11	74AS82027-2003	. CHANNEL ASSEMBLY (76301) (FOR REPAIR SEE WP154 00)	1		XBOOG
	NAS674V1	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
12	742100-103	VALVE, FLOAT, AIRCRAFT - CLIMB	1		PAOZZ
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
13	7M637BW-6D	. ELBOW (76301)	2		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 13)	2		PAOZZ
	MS28773-06	. RETAINER (USE WITH INDEX 13)	2		PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 13)	2		PAOZZ
14	74A581000-1009	. TUBE ASSEMBLY, METAL BRANCHED VENT, TANK NO. 1 RETURN (76301) (SUPERSEDES 74A581000-1007)	1		XBOZZ
15	MS21919WDF40	. CLAMP	5		PAOZZ
16	NMC-ST9M529-6	. CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-6)	13		PAOZZ
17	NAS673V4	. BOLT	5		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 17)	5		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 17)	5		PAOZZ
18	NAS1787A40G	. CLAMP	2		PAOZZ
19	NAS673V8	. BOLT	4		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 19)	4		PAOZZ
20	74A582051-1003	. TUBE ASSY - VENT, TANK NO. 1 OPEN END (76301) (SUPERSEDES 74A582051-1001)	1		XBOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
21	NAS663V2HT	. SCREW	1		PAOZZ
	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 21)	1	3fc	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 21)	1	*	PAOZZ
22	MS21919WDF4	. CLAMP	1		PAOZZ
	NAS673V3	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 22)	1		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
23	472995-401	TRANSMITTER, LIQUID QUANTITY, TANK NO. 1 FORWARD (NO. 1 FUEL TANK FUEL QUANTITY TRANSMITTER) (89305) (MCDONNELL SPEC 74-580056-205) (5A-F028)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 10)

	1		T	1	
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	472995-301	TRANSMITTER, LIQUID QUANTITY, TANK NO. 1 FORWARD (NO. 1 FUEL TANK FUEL QUANTITY TRANSMITTER) (89305) (MCDONNELL SPEC 74-580056-205) (5A-F028)	1	*	PAOZZ
24	74A753224-9AAB	CABLE ASSY, ELEC - FORWARD FUSELAGE - (W53224) (76301) (FOR WIRING REPAIR SEE A1-F18AC-WRM-000)	1		XBOOO
25	7C34-24-2A	CLAMP, QUICK RELEASE (71286)(MCDONNELL SPEC ST9M427W24)	1		PAOZZ
26	NAS673V2	. BOLT	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 26)	2		PAOZZ
	A11144-7-3	NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 26)	1	*	PAOZZ
	130091	NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 26)	1	*	PAOZZ
27	466604-008	. SCREW, EXTERNALLY RELIEVED BODY (89305) (MCDONNELL SPEC ST3M560-5)	1	*	PAOZZ
	MA3560.5	. SEE ABOVE (58845)	1	*	PAOZZ
	1AM121070-5	. SEE ABOVE (58251)	1	*	PAOZZ
	FIT7043-5	. SEE ABOVE (58998)	1	*	PAOZZ
	396648	. WASHER (89305) (MCDONNELL SPEC ST4M159-08) (UNDER LUG) (USE WITH INDEX 27)	1	*	PAOZZ
	448-3-2	. SEE ABOVE (86968)	1	*	PAOZZ
28	466604-006	. SCREW, EXTERNALLY RELIEVED BODY (89305) (MCDONNELL SPEC ST3M560-4)	1	*	PAOZZ
	MA3560-4	. SEE ABOVE (58845)	1	*	PAOZZ
	1AM121070-4	. SEE ABOVE (58251)	1	*	PAOZZ
	FIT7043-4	. SEE ABOVE (58998)	1	*	PAOZZ
	396973	. WASHER (89305) (MCDONNELL SPEC ST4M159-06) (UNDER LUG) (USE WITH INDEX 28)	1	*	PAOZZ
	448-3-1	. SEE ABOVE (86968)	1	*	PAOZZ
29	466604-010	. SCREW, EXTERNALLY RELIEVED BODY (89305) (MCDONNELL SPEC ST3M560-6)	1	*	PAOZZ
	MA3560-6	. SEE ABOVE (58845)	1	*	PAOZZ
	1AM121070-6	. SEE ABOVE (58251)	1	*	PAOZZ
	FIT7043-6	. SEE ABOVE (58998)	1	*	PAOZZ
	396974	. WASHER (89305) (MCDONNELL SPEC ST4M159-3) (UNDER LUG) (USE WITH INDEX 29)	1	**	PAOZZ
	448-3-3	. SEE ABOVE (86968)	1	*	PAOZZ
30	AN960C8 +	. WASHER (UNDER SCREW)	2		PAOZZ
31	AN960C10L +	. WASHER (UNDER SCREW)	1		PAOZZ
32	NAS620C6 +	. WASHER (UNDER SCREW)	2		PAOZZ
33	NAS674V3	. BOLT	4		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 33)	4		PAOZZ
34	MS27467T11B35S	. CONNECTOR, PLUG (5P-E035)	1		PAOZZ
35	NAS674V3H	BOLT	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 11)

	1		ı		
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	AN960JD416	. WASHER (USE WITH INDEX 35)	1		PAOZZ
36	10-550598-35P	. CONNECTOR, RECEPTACLE (77820) (MCDONNELL SPEC ST5M1473-11-35P) (5J-F035)	1	*	PAOZZ
	18530	CONNECTOR, RECEPTACLE (97814) MCDONNELL SPEC ST5M1473-11-35P) (5J-F035)	1	*	PAOZZ
	S8202H11B35P	CONNECTOR, RECEPTACLE (12349) (MCDONNELL SPEC STSM1473-11-35P) (5J-F035)	1	*	PAOZZ
37	M25988/2-116	PACKING (FURNISHED WITH	1		PAOZZ
38	74A890601-2037	. MARKER, ELECTRICAL IDENTIFICATION (76301)	1		MDOZZ
39	W904K16DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M765-16D-1)	1		PAOZZ
	14C12-16A	. COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M765-16D-1)	1		PAOZZ
	W904F16DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M550-16D-1)	1	*	PAOZZ
40	MS29513-214	. PACKING	3		PAOZZ
41	74A582004-1005	. TUBE ASSEMBLY - REFUEL FILL, TANK NO. 1 (76301) (SUPERSEDES 74A582004-1003)	1		XBOZZ
42	74A581004-1003	TUBE ASSEMBLY - REFUEL FILL, TANK NO. 1 (76301) (SUPERSEDES 74A581004-1001)	1		XBOZZ
43	NAS674V3	. BOLT	8		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 43)	8		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 43)	8		PAOZZ
44	NAS1787A24G	. CLAMP	1		PAOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
45	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
	MS29512-06	PACKING (USE WITH INDEX 45)	1		PAOZZ
46	2760113-113	. VALVE, CHECK - REFUEL LEVEL (NO. 1 FUEL TANK FUEL LEVEL CONTROL SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580108-223) (5VAP541)	1		PAOZZ
	2760113-111	SEE ABOVE (MCDONNELL SPEC	1	3/4	PAOZZ
	2760113-109	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2760113-107	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	MS29513-224	. PACKING (USE WITH INDEX 46)	1		PAOZZ
	74A581029-2001	. RESTRICTOR, FLUID FLOW - PRESSURE FUELING LINE (76301) (USE WITH INDEX 46)	1		MGOZZ
47	74A580661-1001	TUBE ASSEMBLY, METAL - MOTIVE FLOW, Y359.615 (76301)	1		MGOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 12)

	T	1		1	
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
48	74A582016-1001	. TUBE ASSEMBLY, METAL - M/F PRESS, Y373.732 (76301)	1		MGOZZ
49	7M637BX-4D	. TEE (76301)	1		PAOZZ
	AN6289D4	. NUT (USE WITH INDEX 49)	1		PAOZZ
	MS29512-04	PACKING (USE WITH INDEX 49)	1		PAOZZ
	MS28773-04	RETAINER (USE WITH INDEX 49)	1		PAOZZ
50	40C132-3	. VALVE, SHUTOFF, REFUEL/DEFUEL (REFUEL/DEFUEL SHUTOFF VALVE) (82829) (MCDONNELL SPEC 74-580051-103) (5VAP533)	1		PAOZZ
	40C132-2	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS674V8	. BOLT (AP)	6		PAOZZ
	AN960JD416	. WASHER (AP)	6		PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 50)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 50)	1		PAOZZ
51	MS29513-349	PACKING	1		PAOZZ
52	MS29513-232	PACKING	1		PAOZZ
53	2760121-105	. VALVE, CHECK - FUEL, LARGE LINE MOUNTED (NO. 1 FUEL TANK REFUEL/ TRANSFER CHECK VALVE) (92003) (MCDONNELL SPEC 74-S80149-113) (5VAP532)	1		PAOZZ
	2760121-103	SEE ABOVE (MCDONNELL SPEC74-580149-111)	1		PAOZZ
	2760121-101	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	MS29513-224	. PACKING (USE WITH INDEX 53)	1		PAOZZ
54	NAS674V5	. BOLT (AP)	8		PAOZZ
	AN960JD416	. WASHER (AP)	8		PAOZZ
55	MS29513-229	. PACKING	1		PAOZZ
56	NAS673V3	BOLT	2		PAOZZ
	AN960JD10	. WASHER (USE WITH INDEX 56)	2		PAOZZ
57	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M)	2	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M)	2	*	PAOZZ
58	74A582020-1005	. TUBE ASSEMBLY - WING TRANSFER	1		XBOZZ
59	ST9M620A16	. CLAMP, LOOP - STRAP AND BASE,	1		PAOZZ
	NAS673V5	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP) (UNDER BOLT AND	4		PAOZZ
	NAS1291C3M	. NUT (AP)	2		PAOZZ
60	NAS674V2	BOLT	1		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 60)	1		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 60)	1		PAOZZ
61	NMC-ST9M529-16	. CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-16)	1		PAOZZ
62	NAS673V5	BOLT	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 62)	2		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 62)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 13)

	T	T			
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
63	74A582063-1001	. TUBE ASSEMBLY, METAL - VENT,	1		MGOZZ
64	ST9M620A16	CLAMP, LOOP - STRAP AND BASE,	1		PAOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
65	W901K16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	1		PAOZZ
	14J12-16A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	1		PAOZZ
	W901F16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-16D) (INCLUDES SLEEVE)	1	*	PAOZZ
66	2800095-101	. VALVE, FLOAT AIRCRAFT REFUEL LEVEL (NO. 1 FUEL TANK HIGH LEVEL PILOT VALVE) (92003) (MCDONNELL SPEC 74-580108-221) (5VAP539)	1		PAOZZ
	2800018-101	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS674V2	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
67	74A582088-1003	SUPPORT - VALVE, HIGH LEVEL	1		XBOOO
68	NAS674V3	BOLT	3		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 68)	3		PAOZZ
69	2770042-113	. VALVE, SHUTOFF - FUEL TRANSFER TANK 1 (NO. 1 FUEL TANK TRANSFER SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580164-213) (5VAP534)	1		PAOZZ
	2770042-111	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2770042-109	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2770042-107	SEE ABOVE (MCDONNELL SPEC74-580164-207)	1	*	PAOZZ
70	74A582035-1001	. TUBE ASSEMBLY, METAL - PRESSURE SENSING, Y359.400 (76301)	1		MGOZZ
71	74A582038-1001	TUBE ASSEMBLY, METAL PRECHECK, Y360.740 (76301)	1		MGOZZ
72	7M637BD-4D	. NIPPLE (76301)	1		PAOZZ
73	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
74	NMC-ST9M529-4	CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-4)	7		PAOZZ
75	NAS673V6	BOLT	5		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 75)	5		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 75)	5		PAOZZ
76	74A582026-1001	. TUBE ASSEMBLY, METAL - PRESSURE SENSING, Y359.389 (76301)	1		MGOZZ
77	NAS673V4	BOLT	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 77)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 14)

r	Ţ				
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
78	NAS673V #	. BOLT	1		_
, 0	AN960JD10L	. WASHER (USE WITH INDEX 78)	1		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 78)	1		PAOZZ
79	NAS673V4	. BOLT	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 79)	1		PAOZZ
80	74A582029-1001	. TUBE ASSEMBLY, METAL - PRECHECK, Y359.771 (76301)	1		MGOZZ
81	74A582098-2001	BRACKET, ANGLE - TUBE ASSY,SENSING, TANK NO. 1 (76301)	2		MGOZZ
	NAS674V3	BOLT (AP)	1		PAOZZ
	AN960JD416	. WASHER (AP)	1		PAOZZ
82	M25988/1-312	. PACKING	15		PAOZZ
83	74A582159-1003	. TUBE ASSEMBLY, METAL - MOTIVE FLOW, Y380.376 (76301)	1		MGOZZ
84	74A582050-1003	. TUBE ASSEMBLY, METAL - MOTIVE FLOW, Y379.237 (76301)	1		MGOZZ
85	NMC-ST9M529-6	. CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-6)	4		PAOZZ
86	NAS673V5	BOLT	2		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 86)	2		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 86)	2		PAOZZ
87	W901K32DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	1	**	PAOZZ
	14J12-32A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	1	*	PAOZZ
88	MS29513-226	. PACKING	3		PAOZZ
89	W904K32DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M765-32D-1)	1	*	PAOZZ
	14C12-32A	COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M765-32D-1)	1	*	PAOZZ
90	74A582012-1007	. TUBE ASSEMBLY - ELBOW TRANSFER, TANK NO. 1 (76301)	1		PAOZZ
	74A582012-1005	SEE ABOVE	1	*	PAOZZ
	74A582012-1003	SEE ABOVE (SUPERSEDES74A582012-1001)	1	a)c	PAOZZ
91	NAS674V2	BOLT	2		PAOZZ
	AN960JD416	. WASHER (UNDER BOLT) (USE WITH INDEX 91)	2		PAOZZ
	AN960JD416L φ	. WASHER (BETWEEN TUBE FLANGE	3		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 91)	2		PAOZZ
92	W702-40D	. NUT ASSEMBLY, TUBE COUPLING (79326) (MCDONNELL SPEC ST7M191-40D) (INCLUDES NUT AND 2 WASHERS)	1	ajt.	PAOZZ
	12H72-40A	. SEE ABOVE (24984)	1	*	PAOZZ
93	MS29513-334	. PACKING	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 15)

	Т				
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
94	41400-105	. VALVE, INTERCONNECT - FUEL	1		PAOZZ
95	7M148V6	. ELBOW (76301)	1		PAOZZ
	7M148DA6	. ELBOW (76301)	1	*	PAOZZ
96	18-1200	. VALVE, FLOW CONTROL (FUEL TANK TRANSFER PRECHECK VALVE) (96736) (MCDONNELL SPEC 74B580184-103) (SVAP606)	1	**	PAOZZ
	2770221-103	. VALVE, FLOW CONTROL (FUEL TANK TRANSFER PRECHECK VALVE) (92003) (MCDONNELL SPEC 74B580184-103) (5VAP606)	1	*	PAOZZ
	2770221-101	. SEE ABOVE (MCDONNELL SPEC	1	Α	PAOZZ
97	74A582160-1003	TUBE ASSEMBLY, METAL - PRECHECK, Y374.641 (76301)	1		MGOZZ
98	2760102-109	. EJECTOR, JET - FUSELAGE FUEL	1		PAOOO
	2760102-107	. SEE ABOVE	1	*	PAOOO
	2760102-103	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
99	NAS1291C4M	. NUT	4		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 99)	4		PAOZZ
100	74A582018-1001	. TUBE ASSEMBLY - MOTIVE FLOW TANK NO. 1, LOWER (76301)	1		PAOZZ
	NAS674V8	BOLT (AP) (UPPER END)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
101	NAS674V3	. BOLT	6		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 101)	6		PAOZZ
102	MS29513-222	. PACKING	2		PAOZZ
103	7M637BD-4D	. NIPPLE (76301)	1		PAOZZ
	MS29512-04	. PACKING (USE WITH INDEX 103)	1		PAOZZ
104	74A582019-1005	TUBE ASSEMBLY - ELBOW, MOTIVE FLOW, TANK NO. 1, UPPER (76301) (SUPERSEDES 74A582019-1003)	1		XBOZZ
105	W904K20DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M550-20D-1)	1	ak.	PAOZZ
	14C12-20A	. COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M550-20D-1)	1	*	PAOZZ
106	MS29513-218	PACKING	2		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 16)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
107	W901K20DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	1	*	PAOZZ
	14J12-20A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	1	*	PAOZZ
108	MS29513-391	. PACKING	1		PAOZZ
109	NAS674V2	. BOLT	8		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 109)	8		PAOZZ
110	74A581019-1003	BRACKET HAT, VENT TUBE ASSY, TANK NO. 1 (76301)	4		XBOOO
	74A581019-2003	. HAT (76301) (USE WITH INDEX 110)	1		MGOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 110)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
111	NAS674V4	BOLT	8		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 111)	8		PAOZZ
	NAS43DD4-14	. SPACER (USE WITH INDEX 111)	8		PAOZZ
112	74A582098-2001	BRACKET (76301)	1		MGOZZ
	NAS674V3	. BOLT (AP)	1		PAOZZ
	AN960JD416	. WASHER (AP)	1		PAOZZ
113	74A581023-1005	BRACKET - TUBE ASSY, WING	1		XBOOO
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
114	74A581023-2009	. SUPPORT (76301)	1		MGOZZ
115	74A581023-2011	. TEE (76301)	1		XBOZZ
	MS20426AD5 #	. RIVET (AP)	5		-
	MS20470AD5 #	. RIVET (AP)	2		-
116	MS29513-335	. PACKING	3		PAOZZ
117	74A582094-2001	BRACKET (76301)	1		MGOZZ
	NAS674V3	. BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
	A11144-7-3	NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 117)	2	*	PAOZZ
110	130091	NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 117)	2	*	PAOZZ
118	4M36-02055	WASHER FLAT (76301)	6		PAOZZ
119	74A582080-2003	SUPPORT - TUBE ASSY, WING	1		XBOZZ
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
120	74A582060-1005	. SUPPORT - TUBE ASSY, REFUEL	1		XBOOO
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
121	74A582060-2013	. TEE (76301)	1		XBOZZ
122	MS20470AD5 #	RIVET (AP)	3		- VD077
122	74A582060-2017	TEE (BASE) (76301)	1		XBOZZ
123	74A582060-2015	TEE (76301)	1		XBOZZ
124	MS20426AD5 # 74A581024-2003	. RIVET (AP)	4 1		- MGOZZ
		,			

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 17)

	1			T	
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	NAS674V3	. BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 124)	3	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 124)	3	*	PAOZZ
125	74A582098-2001	BRACKET (76301)	1		MGOZZ
	NAS674V3	. BOLT (AP)	1		PAOZZ
	AN960JD416	. WASHER (AP)	1		PAOZZ
126	74A582027-2001	. SUPPORT - FWD, TUBE ASSY, VENT	1		XBOOG
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
127	M529513-335	. PACKING	1		PAOZZ
128	74A582115-2001	. RACKET - TRANSMITTER, TANK NO. 1, FORWARD (76301)	1		MGOZZ
	NAS674V2	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
	M521060L4	. NUT, PLATE (USE WITH INDEX 128)	4		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		PAOZZ
129	74A581018-1001	. SUPPORT - AFT, TUBE ASSY, VENT RETURN TANK NO. 1 (76301)	1		XBOOO
	NAS673V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
130	4M36-02055	. WASHER FLAT (76301) (BETWEENSUPPORT AND TANK FITTINGS)	4		PAOZZ
131	74A585735-2001 ¶	. RETAINER, FUEL CELL FITTING - BHD, 1.00 DIA, ASSY OF (76301)	1		PAOZZ
	74A585735-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	LS580178-101 ¶	. LOCKNUT, TUBE FITTING - BHD CONN, 1.00 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580178-101)	1		PAOBZ
132	MS29513-325	. PACKING	1		PAOZZ
133	74A585734-2001 ¶	. RETAINER, FUEL CELL FITTING - BHD 1.25 DIA, ASSY OF (76301)	1		PAOZZ
	74A585734-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	LS580171-101 ¶	. LOCKNUT, TUBE FITTING - BHD	1		PAOBZ
134	MS29513-327	. PACKING	1		PAOZZ
135	74A585736-2001 ¶	. RETAINER, FUEL CELL FITTING - BHD,	1		PAOZZ
	74A585736-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	74A586450-1003 ¶	. NUT, EXTENDED WASHER, HEXAGON SELF-LOCKING, BHD CONN (76301)	1		PAOZZ
136	M25988/1-315	. PACKING	5		PAOZZ
137	74A585730-2001 ¶	. RETAINER ASSEMBLY - FUEL CELL FITTING, BHD, 2.50 DIA (76301)	2		PAOZZ
	74A585730-1001	SEE ABOVE	2	*	PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 18)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	LS580174-101¶	LOCKNUT, TUBE FITTING - BHD	2		PAOBZ
138	MS29513-337	. PACKING	2		PAOZZ
139	74A582071-1003	. BRACKET - EJECTOR ELBOW, FUEL	1		XBOOO
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
140	MS29513-333	. PACKING	5		PAOZZ
141	74A585733-2001 ¶	RETAINER, FUEL CELL FITTING - BHD,	1		PAOZZ
	74A585733-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	LS580173-101 ¶	. LOCKNUT, TUBE FITTING - BHD CONN, 2.00 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580173-101)	1		PAOBZ
142	74A585731-2001 ¶	. RETAINER, FUEL CELL FITTING - BHD, 2.50 DIA, ASSY OF (76301)	1		PAOZZ
	74A585731-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	LS580177-101¶	. LOCKNUT, TUBE FITTING - SPCL BHD	1		PAOBZ
143	MS29513-339	. PACKING	3		PAOZZ
144	ST7M263V6	. ELBOW (76301)	1		PAOZZ
	ST7M263DA6	. ELBOW (76301)	1	*	PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 144)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 144)	1		PAOZZ
	MS28773-06	. RETAINER (USE WITH INDEX 144)	1		PAOZZ
145	74A582090-1005	SUPPORT - VALVE, PILOT, FLOAT	1		XBOOO
	74A582090-1003	. SEE ABOVE	1	*	XBOOO
	NAS674V2	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
	74A582090-2007	. CHANNEL (76301) (USE WITH INDEX 145)	1		MGOZZ
	74A582090-2009	. SUPPORT (76301) (USE WITH INDEX 145)	1		MGOZZ
	MS20426AD3 #	. RIVET (AP)	6		-
	MS20426AD5 #	. RIVET (AP)	2		-
146	2760110-102	VALVE, FLOAT - AIRCRAFT, FUEL	1		PAOZZ
	2760110-101	VALVE, FLOAT, AIRCRAFT - FUEL	1	*	PAOZZ
147	74A582073-2003	. SUPPORT, TRANSMITTER (76301)	1		PAOZZ
	74A582062-2003	. SEE ABOVE	1	*	PAOZZ
	NAS663V2HT	. SCREW (AP)	3		PAOZZ
148	74A582082-1003	. ADAPTER - TANK DRAIN AND VENT (76301) (SUPERSEDES 74A582082-1001)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 19)

149 MS29513-213	INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
150	140	M920512 212	DACKING	1	<u>l</u>	DA 077
151 74A5S6450-1003-1			. NUT, EXTENDED WASHER, HEXAGON			
152 743-56 CAP ASSY, VENT (7600) 1 PAOCZ	151	74A586450-1003 ¶	. NUT, EXTENDED WASHER, HEXAGON	1		PAOZZ
T4ASS2070-2001	152	7M35-6		1		PAOZZ
NAS673V2	153	74A582073-2001	. SUPPORT, TRANSMITTER (76301)	1		PAOZZ
ANSOLUDIO BRACKET (76301) 1 MGOZZ		74A582062-2001	. SEE ABOVE	1	*	PAOZZ
154 74ASS2102-2001 BRACKET (76301) 1 MGOZZ NAS674V3 BOLT (AP) 1 PAOZZ ANO60D416 WASHER (AP) 1 PAOZZ NAS600D416 WASHER (AP) 1 PAOZZ NAS600D416 WASHER (AP) 1 PAOZZ NAS600D416 WASHER (AP) 4 PAOZZ NAS600D416 WASHER (AP) 4 PAOZZ NAS600D416 WASHER (AP) 2 PAOZZ NAS600D416 WASHER (AP) 4 PAOZZ NAS600D416 WASHER (AP) 4 PAOZZ NAS600D416 WASHER (AP) 4 PAOZZ NAS601D416 WASHER (AP) 4 PAOZZ		NAS673V2	. BOLT (AP)	3		PAOZZ
NAS674V3		AN960JD10L	. WASHER (AP)	3		PAOZZ
AN960ID1416 AN960	154	74A582102-2001	BRACKET (76301)	1		MGOZZ
155		NAS674V3	. BOLT (AP)	1		PAOZZ
NO. 1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		AN960JD416	. WASHER (AP)	1		PAOZZ
74A582070-1011 SEE ABOVE 1 NAS674V3 BOLT (AP) 4 PAOZZ AN9601D416 WASHER (AP) 4 PAOZZ LINE. TK NO. 1, 373-4800 (76301) (SUPERSEDES 74A582092-2008) NAS674V3 BOLT (AP) 2 PAOZZ AN9601D416 WASHER (AP) 2 PAOZZ AN9601D416 WASHER (AP) 2 PAOZZ AN9601D416 WASHER (AP) 1 NAS674V3 BOLT (AP) 4 PAOZZ AN9601D416 WASHER (AP) 1 NAS674V3 BOLT (AP) 4 PAOZZ AN9601D416 WASHER (AP) 1 NAS674V3 BOLT (AP) 4 PAOZZ AN9601D416 WASHER (AP) 4 PAOZZ AN9601D416	155	74A582070-1013	NO. 1 Y379.5 (76301) (FOR REPAIR SEE WP106 00)	1		XBOOO
NAS674V3		74A582070-1007			*	XBOOO
AN960ID416 WASHER (AP) 4 PAOZZ 156 74A582149-2001 SUPPORT -TUBE ASSY, WING TRANS 1 MGOZZ LINE, TK NO. 1, Y374-800 (76501) (SUPERSEDES 74A582092-2005) NAS674V3 BOLT (AP) 2 PAOZZ AN960ID416 WASHER (AP) 2 PAOZZ 157 74A582079-2003 SUPPORT (76301) 1 XBOZZ NAS674V3 BOLT (AP) 4 PAOZZ AN960ID416 WASHER (AP) 4 PAOZZ AN960ID416 WASHER (AP) 4 PAOZZ AN960ID416 WASHER (AP) 4 PAOZZ NAS674V3 BOLT (AP) 4 PAOZZ 169 74A582071-2003 BRACKET (76301) 1 MGOZZ 159 74A582071-2003 BRACKET (76301) 1 MGOZZ 1610 74A582071-2005 RETAINER (76301) 1 MGOZZ 162 NAS6604-6 BOLT 8 PAOZZ NAS6604-6 BOLT 8 PAOZZ 74K580001-10013++ PAOZZ 74K580001-1013++ PAOZZ 74K580001-1009 PACKING ASSORTMENT, PREFORMED 1 PAOZZ 74K580001-1009 PACKING ASSORTMENT (SEE ABOVE) 1 PAOZZ 74K580001-1009 PACKING ASSORTMENT (SEE ABOVE) 1 PAOZZ MS29513-339 PACKING 3 XAOZZ MS29513-331 PACKING 1 XAOZZ MS29513-333 PACKING 1 XAOZZ MS29513-333 PACKING 1 XAOZZ MS29513-334 PACKING 1 XAOZZ MS29513-335 PACKING 1 XAOZZ MS29513-335 PACKING 1 XAOZZ MS29513-325 PACKING 1 XAOZZ MS29513-229 PACKING 7 XAOZZ MS29513-229 PACKING 1 XAOZZ MS29513-2218 PACKING 1 XAOZZ MS29513-2218 PACKING 1 XAOZZ MS29513-2218 PACKING 1 XAOZZ MS29513-2218 PACKING 1 XAOZZ		74A582070-1011			*	
SUPPORT - TUBE ASSY, WING TEANS 1		NAS674V3				PAOZZ
LINE. TK NO. 1, Y374,800 (76301)			` /	•		PAOZZ
AN960JD416 WASHER (AP). 2 PAOZZ 157 74A582079-2003 SUPPORT (76301) 1 XBOZZ. NAS674V3 BOLT (AP). 4 PAOZZ AN960JD416 WASHER (AP). 4 PAOZZ 158 74A582074-2003 SUPPORT (76301) 1 XBOZZ. NAS674V3 BOLT (AP). 4 PAOZZ NAS674V3 BOLT (AP). 4 PAOZZ AN960JD416 WASHER (AP). 4 PAOZZ 159 74A582071-2003 BRACKET (76301) 1 MGOZZ MS20426AD4# RIVET (AP). 2	156	74A582149-2001	LINE, TK NO. 1, Y374.800 (76301)	1		MGOZZ
157		NAS674V3	BOLT (AP)	2		PAOZZ
NAS674V3		AN960JD416	. WASHER (AP)	2		PAOZZ
AN960JD416 WASHER (AP)	157	74A582079-2003	. SUPPORT (76301)	1		XBOZZ
158		NAS674V3	. BOLT (AP)	4		PAOZZ
NAS674V3		AN960JD416	. WASHER (AP)	4		PAOZZ
AN960JD416 WASHER (AP)	158	74A582074-2003	. SUPPORT (76301)	1		XBOZZ
159 74A582071-2003 BRACKET (76301) 1 MGOZZ MS20426AD4 # RIVET (AP) 2 -		NAS674V3	. BOLT (AP)	4		PAOZZ
MS20426AD4 # RIVET (AP) 2		AN960JD416	. WASHER (AP)	4		PAOZZ
160 74A582071-2005 RETAINER (76301) 1 MGOZZ 161 NAS6604-6 BOLT 4 PAOZZ 162 NAS6604-3 BOLT 8 PAOZZ AN960JD416 WASHER 8 PAOZZ 74K580001-1013++ PACKING ASSORTMENT, PREFORMED - 1 1 PAOZZ 74K580001-1009 PACKING ASSORTMENT (SEE ABOVE) 1 * PAOZZ 74K580001-1005 PACKING ASSORTMENT 1 * PAOZZ MS29513-391 PACKING 1 XAOZZ MS29513-349 PACKING 1 XAOZZ MS29513-339 PACKING 3 XAOZZ MS29513-337 PACKING 3 XAOZZ MS29513-335 PACKING 4 XAOZZ MS29513-334 PACKING 1 XAOZZ MS29513-333 PACKING 1 XAOZZ MS29513-327 PACKING 1 XAOZZ MS29513-232 PACKING 1 XAOZZ MS29513-229 PACKING	159	74A582071-2003	BRACKET (76301)	1		MGOZZ
161 NAS6604-6 BOLT 4 PAOZZ 162 NAS6604-3 BOLT 8 PAOZZ AN9601D416 WASHER 8 PAOZZ 74K580001-1013++ PACKING ASSORTMENT, PREFORMED - 1 1 PAOZZ 74K580001-1009 PACKING ASSORTMENT (SEE ABOVE) 1 * PAOZZ 74K580001-1005 PACKING ASSORTMENT 1 * PAOZZ MS29513-391 PACKING 1 XAOZZ MS29513-349 PACKING 1 XAOZZ MS29513-339 PACKING 3 XAOZZ MS29513-337 PACKING 3 XAOZZ MS29513-335 PACKING 4 XAOZZ MS29513-334 PACKING 4 XAOZZ MS29513-333 PACKING 1 XAOZZ MS29513-334 PACKING 1 XAOZZ MS29513-325 PACKING 1 XAOZZ MS29513-232 PACKING 1 XAOZZ MS29513-232 PACKING 7 XAOZZ MS29513-229 PACKING 1 XAOZZ <tr< td=""><td></td><td>MS20426AD4 #</td><td>. RIVET (AP)</td><td>2</td><td></td><td>-</td></tr<>		MS20426AD4 #	. RIVET (AP)	2		-
162 NAS6604-3	160	74A582071-2005	. RETAINER (76301)	1		MGOZZ
AN960JD416 WASHER 8 PAOZZ 74K580001-1013++ PACKING ASSORTMENT, PREFORMED 1 PAOZZ FUEL TANK NO. 1 (76301) 74K580001-1009 PACKING ASSORTMENT (SEE ABOVE) 1 * PAOZZ 74K580001-1005 PACKING ASSORTMENT 1 * PAOZZ MS29513-391 PACKING SSORTMENT 1 XAOZZ MS29513-349 PACKING 1 XAOZZ MS29513-339 PACKING 3 XAOZZ MS29513-337 PACKING 2 XAOZZ MS29513-337 PACKING 2 XAOZZ MS29513-335 PACKING 4 XAOZZ MS29513-335 PACKING 4 XAOZZ MS29513-334 PACKING 1 XAOZZ MS29513-334 PACKING 1 XAOZZ MS29513-335 PACKING 1 XAOZZ MS29513-327 PACKING 1 XAOZZ MS29513-327 PACKING 1 XAOZZ MS29513-327 PACKING 1 XAOZZ MS29513-327 PACKING 1 XAOZZ MS29513-232 PACKING 1 XAOZZ MS29513-232 PACKING 1 XAOZZ MS29513-230 PACKING 1 XAOZZ MS29513-230 PACKING 1 XAOZZ MS29513-220 PACKING 1 XAOZZ MS29513-221 PACKING 1 XAOZZ MS29513-222 PACKING 1 XAOZZ MS29513-222 PACKING 1 XAOZZ MS29513-222 PACKING 1 XAOZZ MS29513-222 PACKING 1 XAOZZ	161	NAS6604-6	BOLT	4		PAOZZ
74K580001-1013+ + PACKING ASSORTMENT, PREFORMED - 1 FUEL TANK NO. 1 (76301) 1 PAOZZ FUEL TANK NO. 1 (76301) 74K580001-1009 PACKING ASSORTMENT (SEE ABOVE) 1 * PAOZZ PACKING ASSORTMENT 74K580001-1005 PACKING ASSORTMENT 1 * PAOZZ PAOZZ PACKING MS29513-391 PACKING 1 XAOZZ PAOZZ PACKING MS29513-339 PACKING 3 XAOZZ PACKING MS29513-337 PACKING 2 XAOZZ PACKING MS29513-335 PACKING 4 XAOZZ PACKING MS29513-334 PACKING 1 XAOZZ PACKING MS29513-333 PACKING 1 XAOZZ PACKING MS29513-327 PACKING 1 XAOZZ PACKING MS29513-232 PACKING 1 XAOZZ PACKING MS29513-232 PACKING 7 XAOZZ PACKING MS29513-229 PACKING 7 XAOZZ PACKING MS29513-226 PACKING 1 XAOZZ PACKING MS29513-222 PACKING 1 XAOZZ PACKING MS29513-228 PACKING <td>162</td> <td>NAS6604-3</td> <td>. BOLT</td> <td></td> <td></td> <td>PAOZZ</td>	162	NAS6604-3	. BOLT			PAOZZ
FUEL TANK NO. 1 (76301) 74K580001-1009 PACKING ASSORTMENT (SEE ABOVE) 1 * PAOZZ 74K580001-1005 PACKING ASSORTMENT 1 * PAOZZ MS29513-391 PACKING ASSORTMENT 1 XAOZZ MS29513-349 PACKING 1 XAOZZ MS29513-339 PACKING 1 XAOZZ MS29513-337 PACKING 2 XAOZZ MS29513-337 PACKING 2 XAOZZ MS29513-335 PACKING 4 XAOZZ MS29513-335 PACKING 1 XAOZZ MS29513-334 PACKING 1 XAOZZ MS29513-333 PACKING 1 XAOZZ MS29513-333 PACKING 1 XAOZZ MS29513-327 PACKING 1 XAOZZ MS29513-327 PACKING 1 XAOZZ MS29513-327 PACKING 1 XAOZZ MS29513-325 PACKING 1 XAOZZ MS29513-325 PACKING 1 XAOZZ MS29513-232 PACKING 1 XAOZZ MS29513-232 PACKING 1 XAOZZ MS29513-232 PACKING 1 XAOZZ MS29513-229 PACKING 2 XAOZZ MS29513-229 PACKING 1 XAOZZ MS29513-229 PACKING 1 XAOZZ MS29513-220 PACKING 1 XAOZZ MS29513-220 PACKING 1 XAOZZ MS29513-220 PACKING 1 XAOZZ MS29513-221 PACKING 1 XAOZZ MS29513-222 PACKING 1 XAOZZ MS29513-222 PACKING 1 XAOZZ MS29513-222 PACKING 3 XAOZZ MS29513-222 PACKING 1 XAOZZ		AN960JD416		8		PAOZZ
74K580001-1005 PACKING ASSORTMENT 1 * PAOZZ MS29513-391 PACKING 1 XAOZZ MS29513-349 PACKING 1 XAOZZ MS29513-339 PACKING 3 XAOZZ MS29513-337 PACKING 2 XAOZZ MS29513-335 PACKING 4 XAOZZ MS29513-334 PACKING 1 XAOZZ MS29513-333 PACKING 1 XAOZZ MS29513-327 PACKING 1 XAOZZ MS29513-325 PACKING 1 XAOZZ MS29513-232 PACKING 1 XAOZZ MS29513-230 PACKING 7 XAOZZ MS29513-229 PACKING 7 XAOZZ MS29513-226 PACKING 1 XAOZZ MS29513-222 PACKING 3 XAOZZ MS29513-218 PACKING 1 XAOZZ			FUEL TANK NO. 1 (76301)			
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MS29513-226 PACKING 1 XAOZZ MS29513-222 PACKING 3 XAOZZ MS29513-218 PACKING 1 XAOZZ						
MS29513-222 PACKING 3 XAOZZ MS29513-218 PACKING 1 XAOZZ						
MS29513-218 . PACKING						

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 20)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	MS29513-213	. PACKING	1		XAOZZ
	MS29513-116	. PACKING	2		XAOZZ
	MS29512-10	. PACKING	2		XAOZZ
	M25988/1-315	. PACKING	5		XAOZZ
	M25988/1-312	. PACKING	15		XAOZZ
	M25988/2-116	. PACKING	1		XAOZZ
		* ALTERNATE OR EQUIVALENT PARTS. (WP002 00)			
		# LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.			
		¶ NUTS ARE USED WITH PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS ARE USED WITH NON-PROTRUDING TYPE BULKHEAD CONNECTORS, RETAINERS AND NON-PROTRUDING TYPE BULKHEAD CONNECTORS ARE REPLACEMENT PARTS FOR NUTS AND PROTRUDING TYPE BULKHEAD CONNECTORS. REF, WP040 00 & WP013 02.			
		@ ON 161353 THRU 161519 THIS FUEL TANK MUST ALSO INCLUDE 74A582075 BLOCK (REF WP017 01 AND A1-F18AC-SRM-220, WP031 02).			
		+ USE WITH 472995-401.			
		Ø USE MAXIMUM OF 3 WASHERS WITH ONE BOLT TO IMPROVE ALIGNMENT.			
		++ USER MAY COMPLETE TANK INSTALLATION AND HAVE PACKINGS REMAINING BECAUSE KIT CONTAINS ENOUGH PACKINGS TO COVER ALL			

CODE USABLE ON MODEL A 161353 THRU 161361 F/A-18A

EFFECTIVITIES

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

IPB - NO. 1 FUEL TANK (5CAP508)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18A 161520 AND UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115

Reference Material

None

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve and Raised Inverted Baffle (ECP MDA- F/A-18-00055C1)	15 Jul 86	-
F/A-18 AFC 39	-	No. 1 Fuel Tank Interconnect Valve Replacement and Fuel Sequencing Modification (ECP MDA-F/A-18-00072C1)	15 Oct 86	-
F/A-18 IAFC 115	-	Y383/Bulkhead Fatigue Improvements (ECP MDA-F/A-18-00266)	1 Oct 88	-

1. ILLUSTRATED PARTS BREAKDOWN.

- 2. Removal procedure for No. 1 Fuel Tank F/A-18A is in WP010 02. Index numbers in this WP match those in WP010 02.
- 3. Installation procedure for No. 1 Fuel Tank F/A-18A is in WP011 02. Index numbers in this WP match those in WP011 02.
- 4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

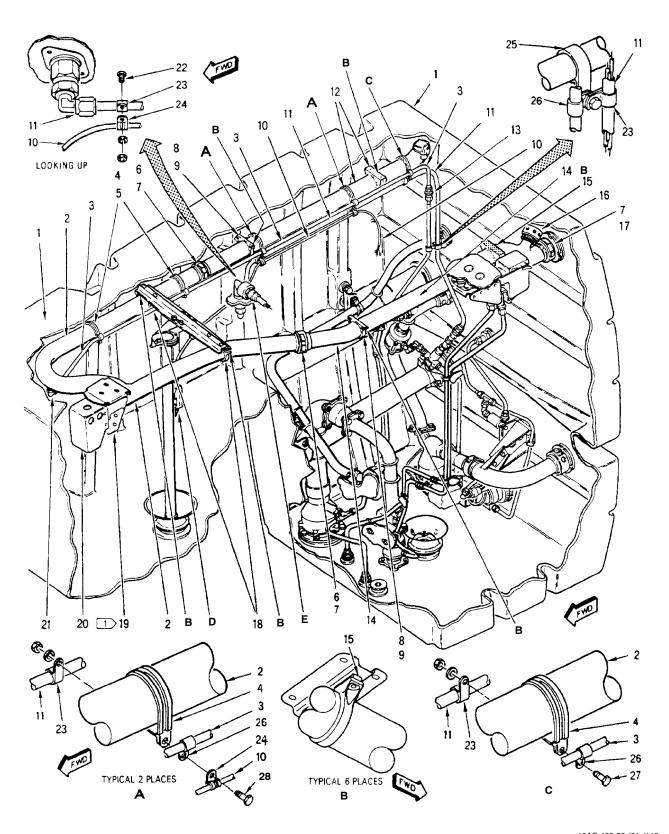


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 1)

18AC-460-30-(21-1)15

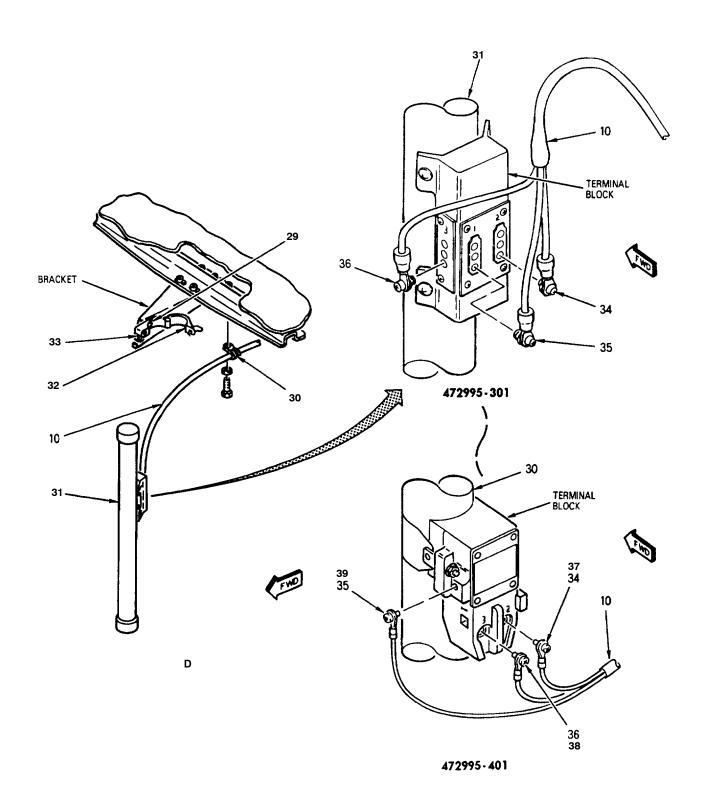


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 2)

18AC-460-30-(21-2)A

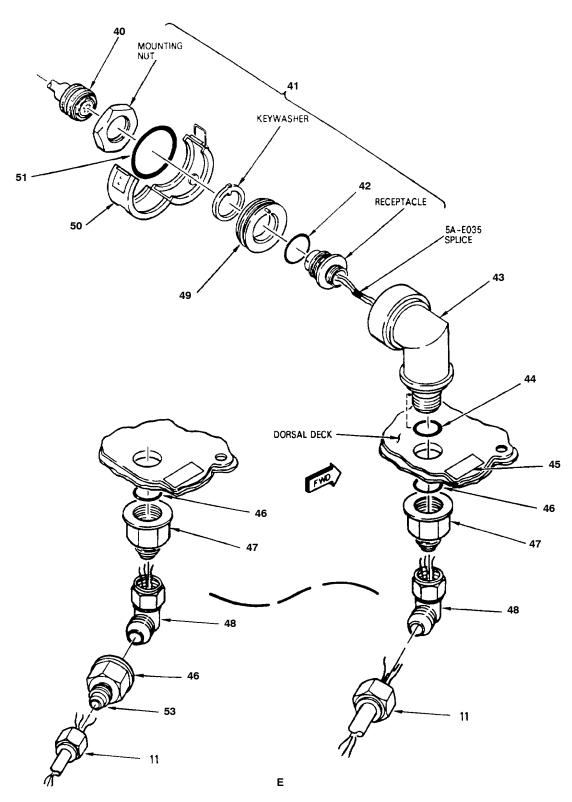


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 3)

18AC-460-30-(21-3)

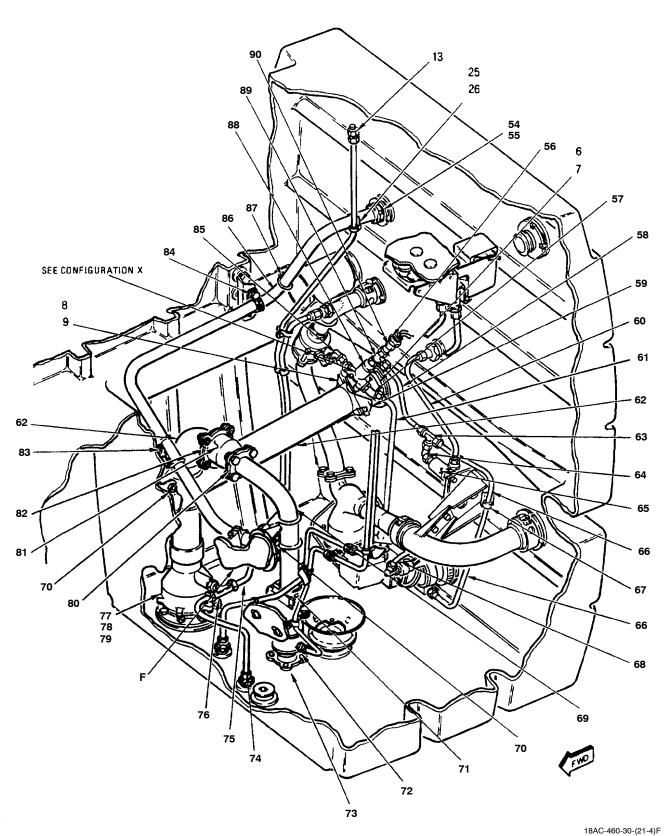


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 4)

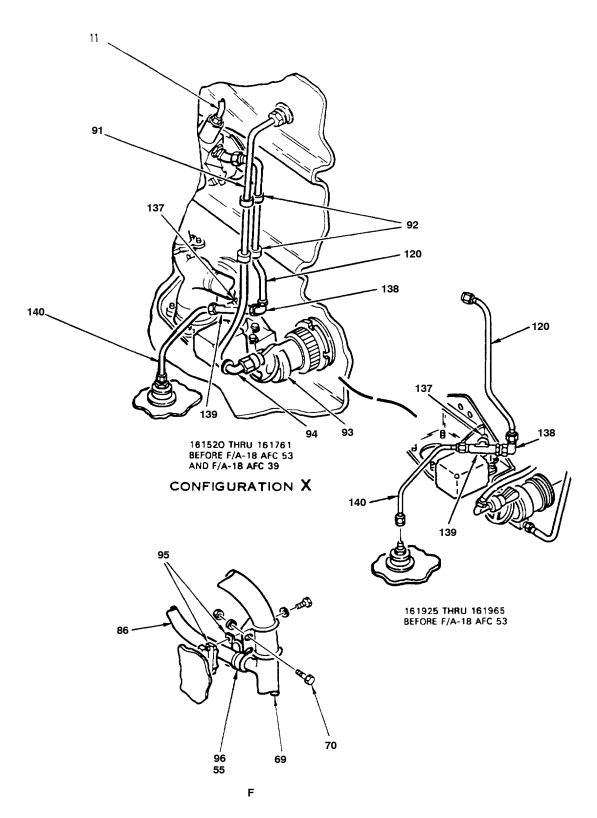


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 5)

18AC-460-30-(21-5)19

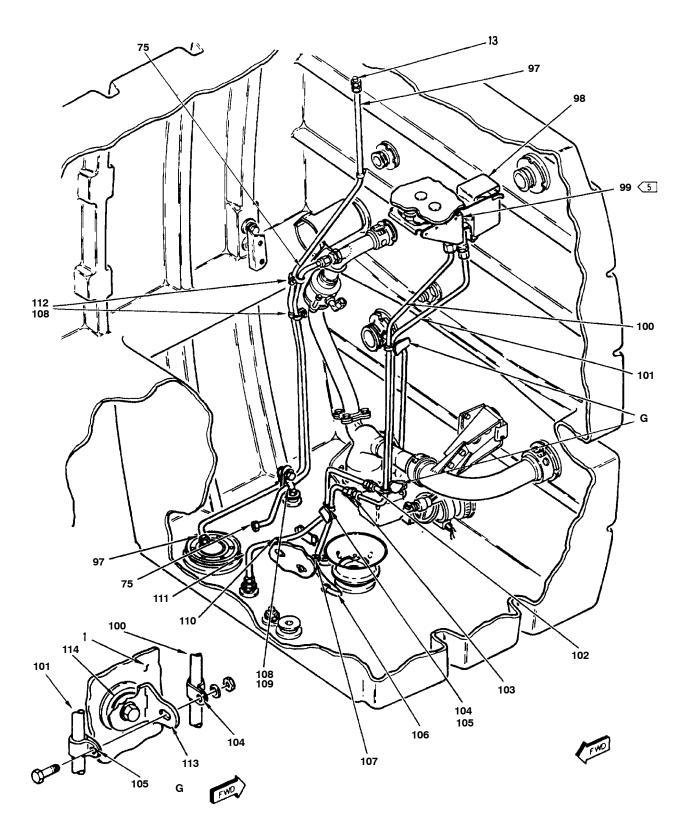


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 6)

18AC-460-30-(21-6)F

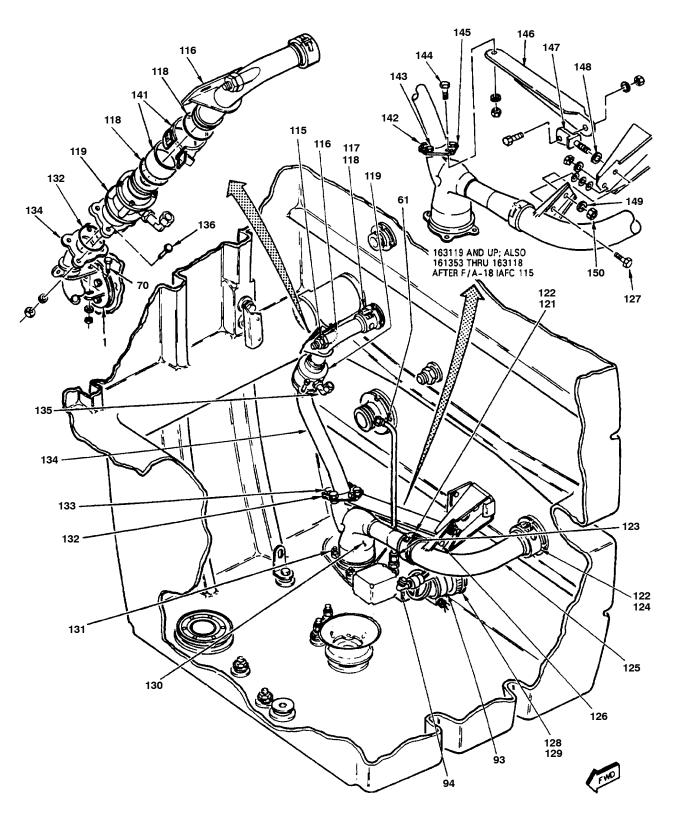


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 7)

18AC-460-30-(21-7)14

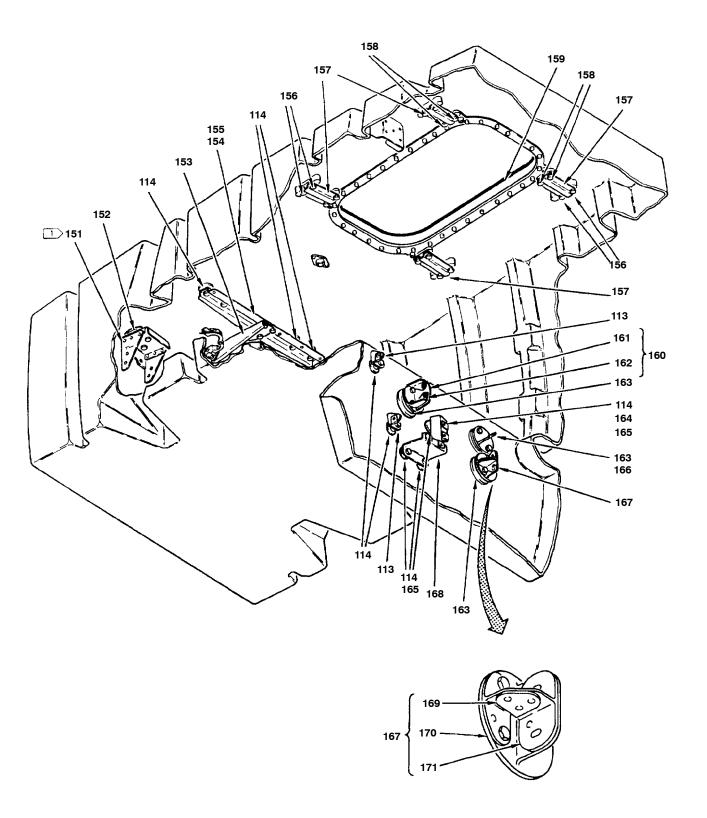


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 8)

18AC-460-30-(21-8)E

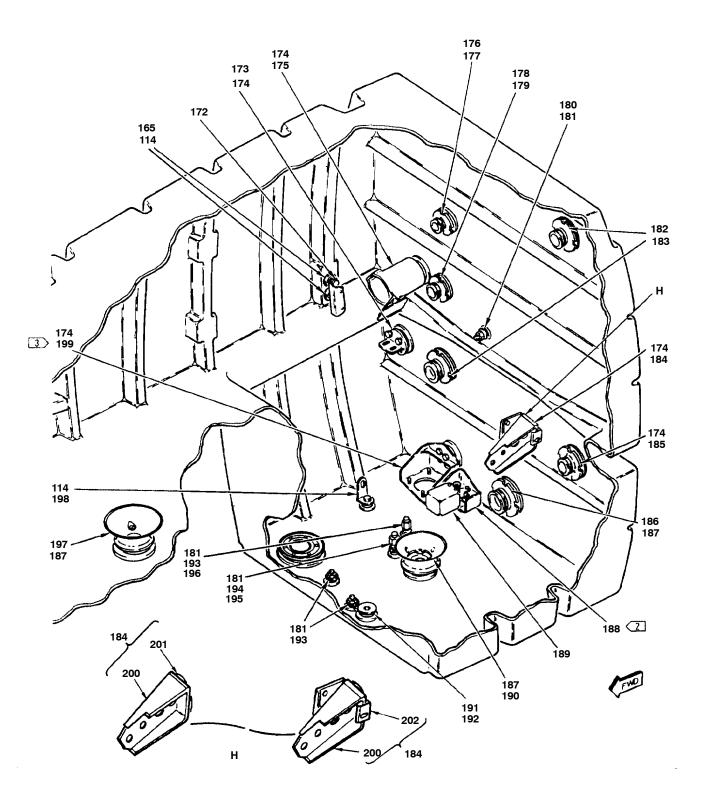


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 9)

18AC-460-30-(21-9)8

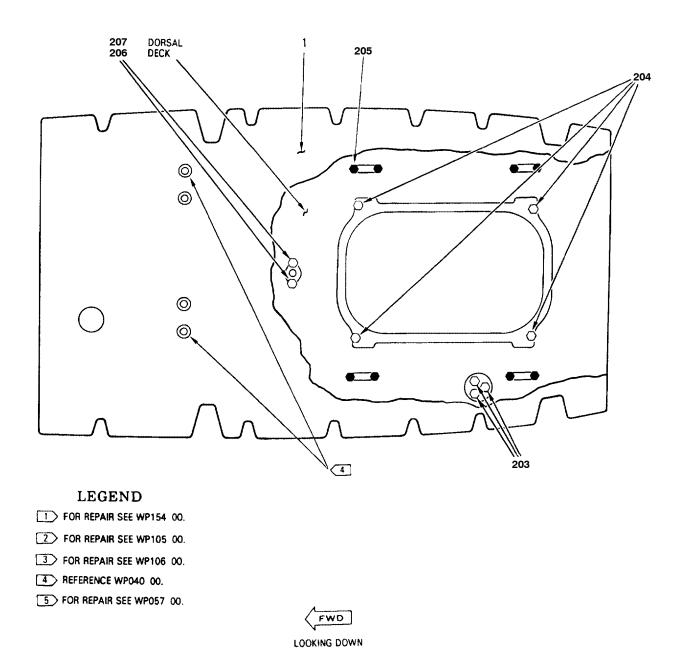


Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 10)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 1 FUEL TANK (5CAP508) - F/A-18A			
		(PARTS KIT AVAILABLE)			
1	62001-7 @	. TANK, FUEL, AIRCRAFT FUSELAGE BLADDER TYPE - NUMBER 1 (NO. 1 FUEL TANK) (05476) (MCDONNELL SPEC 74-580161-137) (5CAP508) (REPLACES 62001-5 AND FCR-63253)	1	*	PAODD
	FCR-64992 @	. SEE ABOVE (00333)	1	*	PAODD
	62001-5	SEE ABOVE (05476) (MCDONNELL	1	C*	PAODD
	FCR-63253	. SEE ABOVE (00333)	1	C*	PAODD
2	74A581000-1009	. TUBE ASSEMBLY, METAL,BRANCHED - VENT, TANK NO. 1 RETURN (76301)	1		XBOZZ
3	74A582008-1001	. TUBE ASSEMBLY, METAL - VENT/ SCAVENGE, Y348.296 (76301)	1		MGOZZ
4	MS21919WDF40	. CLAMP	5		PAOZZ
5	NMC-ST9M529-6	. CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-6)	2		PAOZZ
	NAS673V4	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
6	W901K40DE	. COUPLING, CLAMP, GROOVED(79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	3		PAOZZ
	14J12-40A	. COUPLING, CLAMP, GROOVED(24984) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	3		PAOZZ
	W901F40DE	COUPLING, CLAMP, GROOVED	3	*	PAOZZ
7	MS29513-230	. PACKING	7		PAOZZ
8	NAS1787A40G	. CLAMP	3		PAOZZ
9	NAS673V8	. BOLT	6		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 9)	6		PAOZZ
10	74A753224-9BVA	CABLE ASSY, ELEC - FORWARD FUSELAGE (W53224) (76301) (FOR WIRING REPAIR SEE A1-F18AC- WRM-000)	1		XBOOO
11	74A582099-1003	TUBE ASSEMBLY, METAL - CONDUIT, FUEL, Y380-48 (76301) (SUPERSEDES 74A582099-1001)	1	В	MGOZZ
	74A582100-1001	TUBE ASSY, METAL - CONDUIT (76301)	1	Н	MGOZZ
12	74A582051-1003	TUBE ASSY - VENT, TANK NO. 1 OPEN END (76301)	1		XBOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10	. WASHER (AP)	2		PAOZZ
13	7M637BD-6D	. NIPPLE (76301)	2		PAOZZ
14	74A581001-1005	. TUBE ASSEMBLY - VENT, TANK	1		XBOZZ
	NAS673V2	BOLT (AP)	2		PAOZZ
	AN960JD10	. WASHER (AP)	2		PAOZZ
15	74A580699-2001	. SHIM (76301) (SIX PLACES, MAXIMUM OF 3 SHIMS EACH PLACE)	AR		MGOZZ
16	P72-533	. VALVE, CHECK (NO. 1 FUEL TANK	1	*	PAOZZ
	CV99-9	. SEE ABOVE	1	*	PAOZZ
	35C-1A	. SEE ABOVE (91511)	1	*	PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 11)

NO. PART DESCRIPTION 2			T	1		
(79326) MCDONNELL SPIC STM 191-24D) (INCLUDES NOT AND 2 MASHES) (USE WITH INDEX 16) 12H72-24A 8528 ABVOR (2998) 14 PAOZZ MS\$9515-326 PACKING (USE WITH INDEX 16) 1 PAOZZ (79326) (MCDONNELL SPIC MINOS-400-1) 14C12-40A 14C12-40						
MS29513-256 PACKING (USE WITH INDEX 16) 1 PACZZ (179326) (MCGONNELL SPEC 78765-40D-1) 1 PACZZ (79326) (MCGONNELL SPEC 78765-40D-1) 1 PACZZ (79326) (MCGONNELL SPEC 78765-40D-1) 1 PACZZ (2984) (MCGONNELL SPEC 78765-40D-1) 1 PACZZ (2984) (MCGONNELL SPEC 78765-40D-1) 1 PACZZ (79326) PACZZ (79326) (MCGONNELL SPEC 78765-40D-1) 1 PACZZ (79326) (MCGONNELL SPEC 78765-8066-102) 1 PACZZ (79326) (MCGONNELL SPEC 78765-296) 1 PACZZ (79326) (MCGONNELL SPEC 79326-296) 1 PACZZ (79326) (MCGONNELL SPEC 79326-296) (MCGONNELL SPEC 79326-2966) (MCGONNELL SPEC 79326-2966) (MCGONNELL SPEC 7		W702-24D	(79326) (MCDONNELL SPEC ST7M191-24D) (INCLUDES NUT AND 2 WASHERS) (USE	1	*	PAOZZ
17 W904K4DDE		12H72-24A	. SEE ABOVE (24984)	1	*	PAOZZ
14C12-40A COUPLING, CLAMP, GROVED (HALT)		MS29513-326	. PACKING (USE WITH INDEX 16)	1		PAOZZ
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	17	W904K40DE	(79326) (MCDONNELL SPEC 7M765-40D-1)	1		PAOZZ
18 NAS1787440G			(24984) (MCDONNELL SPEC 7M765-40D-1)			
NAS673V9			(79326) (MCDONNELL SPEC 7M550-40D-1)		*	
ANSOLIDIOL	18	NAS1787A40G	. CLAMP			PAOZZ
19		NAS673V9	. BOLT (AP)	2		PAOZZ
NAS674V1 BOLT (AP) 4		AN960JD10L	. WASHER (AP)	2		PAOZZ
AN960ID416L WASHER (AP) 4 PAOZZ VAPE LOAT, AIRCRAFT - CLIMB 1 PAOZZ VENT, TANK NO. 1 (NO. 1 FUEL TANK CLIMB VENT CHECK WASHE) (66124) (MCDONNELL SPEC 74-580064-103) (SVAP531)	19		REPAIR SEE WP154 00)			
VALVE_FLOAT_ARCRAFT_CLIMB		NAS674V1	. BOLT (AP)	4		PAOZZ
VENT, TANK NO. 1 (NO. 1 FUEL TANK CLIMB VENT CHECK VALVE) (66124) (MCDONNELL SPEC 74-580064-103) (SVAP53)		AN960JD416L	* /	4		PAOZZ
AN960ID416 WASHER (AP) 4 PAOZZ 21 7M637BW-6D ELBOW (76301). 1 PAOZZ MS29512-06 PACKING (USE WITH INDEX 21) 1 PAOZZ MS29512-06 RETAINER (USE WITH INDEX 21) 1 PAOZZ AN6289D6 NUT (USE WITH INDEX 21) 1 PAOZZ AN6289D6 NUT (USE WITH INDEX 21) 1 PAOZZ AN960ID10L WASHER (USE WITH INDEX 22) 1 PAOZZ AN960ID10L WASHER (USE WITH INDEX 22) 1 PAOZZ NAS1291C3M NUT (USE WITH INDEX 22) 1 PAOZZ SPEC ST9M529-6 CLAMP, LOOP (63296) (MCDONNELL 4 B PAOZZ SPEC ST9M529-8) 1 PAOZZ 4 MS21919WDF4 CLAMP LOOP (63296) (MCDONNELL 1 PAOZZ SPEC ST9M529-8) 1 PAOZZ NAS673V8 BOLT (AP) 1 PAOZZ AN960ID10L WASHER (AP) 1 PAOZZ NAS1291C3M NUT (AP) 1 PAOZZ AN960ID10L WASHER (AP) 1 PAOZZ AN960ID10L WASHER (AP) 1 PAOZZ NAS1291C3M NUT (BP) 1 PAOZZ NAS1291C3M NUT (BE WITH INDEX 27) 1 PAOZZ NAS1291C3M NUT (USE WITH INDEX 28) 2 PAOZZ NAS1291C3M NUT (USE WITH INDEX 28) 1 PAOZZ NAS1291C3M NUT (USE WITH INDEX 28) 1 PAOZZ NAS1291C3M NUT (USE WITH INDEX 29) 1 PAOZZ	20	742100-103	VENT, TANK NO. 1 (NO. 1 FUEL TANK CLIMB VENT CHECK VALVE) (96124) (MCDONNELL SPEC 74-580064-103)	1		PAOZZ
21 7M637BW-6D		NAS674V3	. BOLT (AP)	4		PAOZZ
21 7M637BW-6D		AN960JD416	. WASHER (AP)	4		PAOZZ
MS29512-06	21	7M637BW-6D		1		PAOZZ
MS28773-06 RETAINER (USE WITH INDEX 21) 1 PAOZZ ANGSPD6 NUT (USE WITH INDEX 21) 2 PAOZZ ANGSPD6 NUT (USE WITH INDEX 21) 1 PAOZZ ANGSDF		MS29512-06	,			
AN6289D6			,	1		
22			*			
AN960JD10L WASHER (USE WITH INDEX 22)	22		,			
NAS1291C3M	22					
23			,			
NMC-ST9M529-8 CLAMP, LOOP (03296) (MCDONNELL 4	22				D	
SPEC ST9M529-8) 24 MS21919WDF4 CLAMP	25		SPEC ST9M529-6)	•		
25 NMC-ST9M529-16 CLAMP, LOOP (03296) (MCDONNELL 1 PAOZZ SPEC ST9M529-16) NAS673V8 BOLT (AP) 1 PAOZZ AN960JD10L WASHER (AP) 2 PAOZZ NAS1291C3M NUT (AP) 1 PAOZZ 26 NMC-ST9M529-6 CLAMP, LOOP (03296) (MCDONNELL 4 PAOZZ 27 NAS673V7 BOLT 1 PAOZZ AN960JD10L WASHER (USE WITH INDEX 27) 1 PAOZZ NAS1291C3M NUT (USE WITH INDEX 27) 1 PAOZZ AN960JD10L WASHER (USE WITH INDEX 28) 2 PAOZZ NAS1291C3M NUT (USE WITH INDEX 28) 2 PAOZZ NAS63V2HT SCREW 1 PAOZZ A11144-7-3 NUT, CLIP (72962) (MCDONNELL SPEC 1 * PAOZZ 30 MS21919WDF4 CLAMP 1 PAOZZ AN960JD10L WASHER (AP) 1 PAOZZ ST3M523C3W) USE WITH INDEX 29) 1 * PAOZZ AN960JD10L WASHER (AP) 1 PAOZZ AN960JD10L WASHER (AP)	24		SPEC ST9M529-8)		п	
SPEC ST9M529-16) NAS673V8						
AN960ID10L WASHER (AP)	25		SPEC ST9M529-16)			
NAS1291C3M						
26 NMC-ST9M529-6 CLAMP, LOOP (03296) (MCDONNELL 4 PAOZZ SPEC ST9M529-6) 27 NAS673V7 BOLT 1 PAOZZ AN960JD10L WASHER (USE WITH INDEX 27) 1 PAOZZ NAS1291C3M NUT (USE WITH INDEX 27) 1 PAOZZ 28 NAS673V8 BOLT 2 PAOZZ AN960JD10L WASHER (USE WITH INDEX 28) 2 PAOZZ NAS1291C3M NUT (USE WITH INDEX 28) 2 PAOZZ 29 NAS663V2HT SCREW 1 PAOZZ A11144-7-3 NUT, CLIP (72962) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 1 * PAOZZ 130091 NUT, CLIP (76530) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 1 * PAOZZ AN960JD10L WASHER (AP) 1 PAOZZ NAS673V3 BOLT (AP) 1 PAOZZ			` '			
SPEC ST9MS29-6 SPEC			. ,			
AN960JD10L WASHER (USE WITH INDEX 27) 1 PAOZZ NAS1291C3M NUT (USE WITH INDEX 27) 1 PAOZZ NAS673V8 BOLT 2 PAOZZ AN960JD10L WASHER (USE WITH INDEX 28) 2 PAOZZ NAS1291C3M NUT (USE WITH INDEX 28) 2 PAOZZ NAS1291C3M NUT (USE WITH INDEX 28) 2 PAOZZ NAS663V2HT SCREW 1 PAOZZ A11144-7-3 NUT, CLIP (72962) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 130091 NUT, CLIP (76530) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 30 MS21919WDF4 CLAMP 1 PAOZZ AN960JD10L WASHER (AP) 1 PAOZZ NAS673V3 BOLT (AP) 1 PAOZZ			SPEC ST9M529-6)	•		
NAS1291C3M NUT (USE WITH INDEX 27) 1 PAOZZ 28 NAS673V8 BOLT 2 PAOZZ AN960JD10L WASHER (USE WITH INDEX 28) 2 PAOZZ NAS1291C3M NUT (USE WITH INDEX 28) 2 PAOZZ 29 NAS663V2HT SCREW 1 PAOZZ A11144-7-3 NUT, CLIP (72962) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 1 * PAOZZ 30 MS21919WDF4 CLAMP 1 PAOZZ AN960JD10L WASHER (AP) 1 PAOZZ NAS673V3 BOLT (AP) 1 PAOZZ	27	NAS673V7				
28 NAS673V8 BOLT 2 PAOZZ AN960JD10L WASHER (USE WITH INDEX 28) 2 PAOZZ NAS1291C3M NUT (USE WITH INDEX 28) 2 PAOZZ 29 NAS663V2HT SCREW 1 PAOZZ A11144-7-3 NUT, CLIP (72962) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 1 * PAOZZ 130091 NUT, CLIP (76530) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 1 PAOZZ 30 MS21919WDF4 CLAMP 1 PAOZZ AN960JD10L WASHER (AP) 1 PAOZZ NAS673V3 BOLT (AP) 1 PAOZZ		AN960JD10L	,			PAOZZ
AN960JD10L WASHER (USE WITH INDEX 28) 2 PAOZZ NAS1291C3M NUT (USE WITH INDEX 28) 2 PAOZZ PAOZZ NAS663V2HT SCREW 1 PAOZZ A11144-7-3 NUT, CLIP (72962) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 130091 NUT, CLIP (76530) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 30 MS21919WDF4 CLAMP 1 PAOZZ AN960JD10L WASHER (AP) 1 PAOZZ NAS673V3 BOLT (AP) 1 PAOZZ						
NAS1291C3M NUT (USE WITH INDEX 28) 2 PAOZZ 29 NAS663V2HT SCREW 1 PAOZZ A11144-7-3 NUT, CLIP (72962) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 1 * PAOZZ 130091 NUT, CLIP (76530) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 1 PAOZZ 30 MS21919WDF4 CLAMP 1 PAOZZ AN960JD10L WASHER (AP) 1 PAOZZ NAS673V3 BOLT (AP) 1 PAOZZ	28	NAS673V8	BOLT			PAOZZ
29 NAS663V2HT SCREW 1 PAOZZ A11144-7-3 NUT, CLIP (72962) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 1 * PAOZZ 130091 NUT, CLIP (76530) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 1 PAOZZ 30 MS21919WDF4 CLAMP 1 PAOZZ AN960JD10L WASHER (AP) 1 PAOZZ NAS673V3 BOLT (AP) 1 PAOZZ		AN960JD10L	. WASHER (USE WITH INDEX 28)			PAOZZ
A11144-7-3 NUT, CLIP (72962) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 130091 NUT, CLIP (76530) (MCDONNELL SPEC 1 * PAOZZ ST3M523C3M) (USE WITH INDEX 29) 30 MS21919WDF4 CLAMP 1 PAOZZ AN960JD10L WASHER (AP) 1 PAOZZ NAS673V3 BOLT (AP) 1 PAOZZ		NAS1291C3M	. NUT (USE WITH INDEX 28)	2		PAOZZ
ST3M523C3M) (USE WITH INDEX 29) 130091	29	NAS663V2HT	. SCREW	1		PAOZZ
ST3M523C3M) (USE WITH INDEX 29) 30 MS21919WDF4 CLAMP 1 PAOZZ AN960JD10L WASHER (AP) 1 PAOZZ NAS673V3 BOLT (AP) 1 PAOZZ		A11144-7-3		1	*	PAOZZ
AN960JD10L . WASHER (AP)		130091		1	妆	PAOZZ
NAS673V3 . BOLT (AP)	30	MS21919WDF4	. CLAMP	1		PAOZZ
		AN960JD10L	. WASHER (AP)	1		PAOZZ
MS21060L3 . NUT, PLATE (USE WITH INDEX 30) 1 PAOZZ		NAS673V3	BOLT (AP)	1		PAOZZ
		MS21060L3	. NUT, PLATE (USE WITH INDEX 30)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 12)

		T	T		
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	MS20426AD3 #	. RIVET (AP)	2		-
31	472995-401	TRANSMITTER, LIQUID QUANTITY, TANK NO. 1 FORWARD (NO. 1 FUEL TANK FUEL QUANTITY TRANSMITTER) (89305) (MCDONNELL SPEC 74-580056-205) (5A-F028)	1		PAOZZ
	472995-301	. SEE ABOVE	1	*	PAOZZ
32	7C34-24-2A	. CLAMP, QUICK RELEASE (71286) (MCDONNELL SPEC ST9M427W24)	1		PAOZZ
33	NAS673V2	. BOLT	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 33)	2		PAOZZ
	A11144-7-3	NUT, CLIP (72962) (MCDONNELL SPECST3M523C3M) (USE WITH INDEX 33)	1	*	PAOZZ
	130091	NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 33)	1	*	PAOZZ
34	466604-008	SCREW, EXTERNALLY RELIEVED BODY (89305) (MCDONNELL SPEC ST3M560-5)	1	*	PAOZZ
	MA3560-5	. SEE ABOVE (58845)	1	*	PAOZZ
	1AM121070-5	. SEE ABOVE (58251)	1	*	PAOZZ
	FIT7043-5	. SEE ABOVE (58998)	1	*	PAOZZ
	396648	WASHER (89305) (MCDONNELL SPEC ST4M159-08) (UNDER LUG) (USE WITH INDEX 34)	1	*	PAOZZ
	448-3-2	. SEE ABOVE (86968)	1	*	PAOZZ
35	466604-006	. SCREW, EXTERNALLY RELIEVED BODY (89305) (MCDONNELL SPEC ST3M560-4)	1	*	PAOZZ
	MA3560-4	. SEE ABOVE (58845)	1	*	PAOZZ
	1AM121070-4	. SEE ABOVE (58251)	1	*	PAOZZ
	FIT7043-4	. SEE ABOVE (58998)	1	*	PAOZZ
	396973	WASHER (89305) (MCDONNELL SPEC	1	*	PAOZZ
	448-3-1	. SEE ABOVE (86968)	1	*	PAOZZ
36	466604-010	. SCREW, EXTERNALLY RELIEVED BODY (89305) (MCDONNELL SPEC ST3M560-6)	1	*	PAOZZ
	MA3560-6	SEE ABOVE (58845)	1	*	PAOZZ
	1AM121070-6	. SEE ABOVE (58251)	1	*	PAOZZ
	FIT7043-6	. SEE ABOVE (58998)	1	*	PAOZZ
	396974	WASHER (89305) (MCDONNELL SPECST4M159-3) (UNDER LUG) (USE WITH INDEX 36)	1	*	PAOZZ
	448-3-3	SEE ABOVE (86968)	1	*	PAOZZ
37	AN960C8 +	. WASHER (UNDER SCREW)	2		PAOZZ
38	AN960C10L +	. WASHER (UNDER SCREW)	1		PAOZZ
39	NAS620C6 +	. WASHER (UNDER SCREW)	2		PAOZZ
40	MS27467T11B35S	. CONNECTOR, PLUG (5P-E035)	1		PAOZZ
41	74A770173-9AAA	CONNECTOR, RECEPTACLE, ELECTRICAL - NO. 1 FUEL TANK (76301) (5J-E035) (FOR WIRING REPAIR SEE A1-F18AC-WRM-000)	1	В	XBOOO
	10-599302-35P	CONNECTOR, RECEPTACLE (77820)	1	Н	PAOZZ
42	M25988/2-116	PACKING (FURNISHED WITH	1		PAOZZ
43	74A580703-1001	. ELBOW, ELECTRICAL - TANK NO. 1 90	1	G	PAOZZ
44	MS29513-116	PACKING	1	G	PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 13)

			T.	1	
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
45	74A890601-2623	. MARKER, ELECTRICAL IDENTIFICATION (76301)	1	G	MDOZZ
46	MS29512-10	PACKING	1	G	PAOZZ
47	74A582000-1001	NUT, ADAPTER, SELF-LOCKING	1	G	PAOZZ
48	7M148V8	. ELBOW (76301)	1	G	PAOZZ
49	74A580704-1001	. RECEPTACLE, ELECTRICAL CONNECTOR TK 1/WING (76301)	1	G	XBOZZ
50	W904K24DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M765-24D-1)	1	G	PAOZZ
	14C12-24A	COUPLING, CLAMP, GROOVED (HALF)(24984) (MCDONNELL SPEC 7M765-24D-1)	1	G	PAOZZ
	W904F24DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M550-24D-1)	1	G*	PAOZZ
51	MS29513-222	PACKING	1	G	PAOZZ
52	AN818-8	. NUT	1	В	PAOZZ
53	7M637NB-D8-6	. REDUCER (76301)	1	В	PAOZZ
54	W904K16DE	COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M765-16D-1)	1	D	PAOZZ
	14C12-16A	. COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M765-16D-1)	1		PAOZZ
	W904F16DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M550-16D-1)	1	*	PAOZZ
55	MS29513-214	PACKING	3		PAOZZ
56	7M637DA-12	. REDUCER (76301)	1	Н	PAOZZ
57	7M637BY-6D	. ELBOW (76301)	1	G	PAOZZ
	MS28773-06	. RETAINER (USE WITH INDEX 57)	1		PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 57)	1		PAOZZ
58	74A582097-1003	TUBE ASSY, METAL - CONDUIT (76301)	1	Н	MGOZZ
59	74A581031-2003	BRACKET - VALVE, SOLENOID S/O,	1	G	MGOZZ
60	74A582056-1001	. TUBE ASSY, METAL - PRESS (76301)	1	Н	MGOZZ
61	74A582169-1005	TUBE ASSEMBLY, METAL - MOTIVE FLOW, Y380.476 (76301)	1	J	MGOZZ
62	74A582004-1005	. TUBE ASSEMBLY - REFUEL FILL, TANK NO. 1 (76301)	1		XBOZZ
63	7M150V6	. TEE (76301)	1	Н	PAOZZ
64	7M148V6	. ELBOW (76301)	1	Н	PAOZZ
65	517500-101	. VALVE, SOLENOID - LOW LEVEL, NO. 1 FUEL TANK (NO. 1 FUEL TANK FUEL LOW LEVEL SHUTTOFF VALVE) (96124) (MCDONNELL SPEC 74-580070-101) (5L-E171) (FOR ASSEMBLY SEE 74A770175, A1-F18AC-WRM-000, WP701 75)	1	Н	PAOZZ
	NAS674V1	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
	7M637BD-6D	NIPPLE (76301) (USE WITH INDEX 65)	2		PAOZZ
	MS29512-06	PACKING (USE WITH INDEX 65)	2		PAOZZ
				**	
66	74A582095-1001	. TUBE ASSY, METAL - CONDUIT (76301)	1	Н	MGOZZ
67	NMC-ST9M529-6	CLAMP, LOOP (03296) (MCDONNELL	1	Н	PAOZZ
	NAS673V3	BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 14)

		I			
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
68	74A582121-2001 †	. TUBE ASSY, PRESS SENSE	1		MGOZZ
	74A582055-1001 ††	TUBE ASSY, METAL - PRESS (76301) (USE UNTIL EXHAUSTED)	1	Н	MGOZZ
69	74A581004-1003	TUBE ASSEMBLY - REFUEL FILL, TANK NO. 1 (76301)	1		XBOZZ
70	NAS674V3	. BOLT	4		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 70)	4		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 70)	8		PAOZZ
71	NAS1787A24G	. CLAMP	1		PAOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	WASHER (AP)	2		PAOZZ
72	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
,_	MS29512-06	PACKING (USE WITH INDEX 72)	1		PAOZZ
73	2760113-113	VALVE, CHECK - REFUEL LEVEL (NO. 1	1		PAOZZ
	2760113-111	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2760113-109	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2760113-107	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NS29513-224	. PACKING (USE WITH INDEX 73)	1		PAOZZ
	74A581029-2001	. RESTRICTOR, FLUID FLOW - PRESSURE FUELING LINE (76301) (USE WITH INDEX 73)	1		MGOZZ
74	74A580661-1001	TUBE ASSEMBLY, METAL - MOTIVEFLOW, Y359.615 (76301)	1		MGOZZ
75	74A582016-1001	. TUBE ASSEMBLY, METAL - M/F PRESS, Y373.732 (76301)	1		MGOZZ
76	7M637BX-4D	. TEE (76301)	1		PAOZZ
	AN6289D4	. NUT (USE WITH INDEX 76)	1		PAOZZ
	MS29512-04	. PACKING (USE WITH INDEX 76)	1		PAOZZ
	MS28773-04	. RETAINER (USE WITH INDEX 76)	1		PAOZZ
77	40C132-3	. VALVE, SHUTOFF, REFUEL/DEFUEL	1		PAOZZ
	40C132-2	. VALVE, SHUTOFF, REFUEL/DEFUEL	1	*	PAOZZ
	NAS674V8	. BOLT (AP)	6		PAOZZ
	AN960JD416	WASHER (AP)	6		PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 77)	1		PAOZZ
	MS29512-06	PACKING (USE WITH INDEX 77)	1		PAOZZ
78	MS29513-349	. PACKING (UNDER VALVE)	1		PAOZZ
79	MS29513-232	. PACKING (UNDER VALVE)	1		PAOZZ
80	MS29513-224	PACKING	1		PAOZZ
81	2760121-105	. VALVE, CHECK - FUEL LARGE LINE	1		PAOZZ
	2760121-103	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
		74-580149-111)			

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 15)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	2760121-101	. VALVE, CHECK - FUEL, LARGE LINE	1	A	PAOZZ
	NAS674V5	. BOLT (AP)	8		PAOZZ
	AN960JD416	. WASHER (AP)	8		PAOZZ
82	MS29513-229	. PACKING	1		PAOZZ
83	NAS673V3	. BOLT	2		PAOZZ
	AN960JD10	. WASHER (USE WITH INDEX 83)	2		PAOZZ
	A11144-7-3	NUT, CLIP (72962) (MCDONNELL SPECST3M523C3M) (USE WITH INDEX 83)	2	*	PAOZZ
	130091	NUT, CLIP (76530) (MCDONNELL SPECST3M523C3M) (USE WITH INDEX 83)	2	*	PAOZZ
84	ST9M620A16	. CLAMP, LOOP - STRAP AND BASE,	1		PAOZZ
	NAS673V5	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP) (UNDER BOLT AND UNDER NUT)	4		PAOZZ
	NAS1291C3M	. NUT (AP)	2		PAOZZ
85	7M148V6	. ELBOW (76301)	1	G	PAOZZ
86	74A582020-1005	TUBE ASSEMBLY - WING TRANSFER	1		XBOZZ
87	NAS674V2	. BOLT (AP)	1		PAOZZ
	AN960JD416	. WASHER (AP)	1		PAOZZ
	NAS1291C4M	. NUT (AP)	1		PAOZZ
88	517500-101	. VALVE, SOLENOID - TRANSFER	1	G	PAOZZ
	V4700-71	. VALVE, SOLENOID - TRANSFER	1	В	PAOZZ
	NAS674V1	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
	7M637BD-6D	. NIPPLE (USE WITH INDEX 88)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 88)	2		PAOZZ
89	7M151V6	. TEE (76301)	1	Н	PAOZZ
90	74A582201-1001	. TUBE ASSY, METAL - CONDUIT (76301)	1	Н	MGOZZ
91	74A582050-1003	TUBE ASSEMBLY, METAL - MOTIVE	1	В	MGOZZ
92	NMC-ST9M529-6	. CLAMP, LOOP (03926) (MCDONNELL	4	В	PAOZZ
	NAS673V5	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
93	41400-105	VALVE, INTERCONNECT - FUEL, PRESSURE OPERATED (NO. 1 FUEL TANK PRESSURE OPERATED INTERCONNECT VALVE) (04192) (MCDONNELL SPEC 74-580110-105) (5VAP538)	1	В	PAOZZ
		(3 VAI 330)			

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 16)

1	T	T	1		
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	41400-113	. SEE ABOVE (MCDONNELL SPEC	1	Н*	PAOZZ
	55-7600-2	SEE ABOVE (96736)	1	H*	PAOZZ
94	7M637BW-6D †	ELBOW (76301) (REPLACES	1		PAOZZ
	74A582033-2001 ††	. ELBOW (76301) (CONTAINS ORIFICE) (USE UNTIL EXHAUSTED)	1	Н	PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 94)	1		PAOZZ
	MS28773-06	. RETAINER (USE WITH INDEX 94)	1		PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 94)	1		PAOZZ
95	ST9M620A16	. CLAMP, LOOP - STRAP AND BASE,	1		PAOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
96	W901K16DE	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	1		PAOZZ
	14J12-16A	COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	1		PAOZZ
	W901F16DE	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-16D) (INCLUDES SLEEVE)	1	*	PAOZZ
97	74A582063-1001	TUBE ASSEMBLY, METAL - VENT,	1		MGOZZ
98	2800095-101	. VALVE, FLOAT, AIRCRAFT - PILOT FUEL	1		PAOZZ
	2800018-101	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS674V2	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
	7M637BD-4D	. NIPPLE (76301) (USE WITH INDEX 98)	1		PAOZZ
	MS29512-04	. PACKING (USE WITH NIPPLE, INDEX 98)	1		PAOZZ
	AN815-6D	. NIPPLE (USE WITH INDEX 98)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH NIPPLE, INDEX 98)	1		PAOZZ
99	74A582088-1003	SUPPORT - VALVE, HIGH LEVEL	1		XBOOO
	NAS674V3	BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
	74A582088-2003	. SUPPORT (76301) (USE WITH INDEX 99)	1		MGOZZ
	MS21060L4	. NUT, PLATE (USE WITH INDEX 99)	4		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
100	74A582035-1001	TUBE ASSEMBLY, METAL - PRESSURE SENSING, Y359.400 (76301)	1		MGOZZ
101	74A582038-1001	. TUBE ASSEMBLY, METAL - PRECHECK, Y360.740 (76301)	1		MGOZZ
102	7M637BD-4D	. NIPPLE (76301)	1		PAOZZ
103	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
104	NMC-ST9M529-4	. CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-4)	3		PAOZZ
105	NMC-ST9M529-6	. CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-6)	3		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 17)

				1	
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	NAS673V6	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
106	74A582026-1001	. TUBE ASSEMBLY, METAL - PRESSURE	1		MGOZZ
		SENSING, Y359.389 (76301)			
107	NMC-ST9M529-6	CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-6)	1		PAOZZ
	NAS673V4	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
108	NMC-ST9M529-6	. CLAMP, LOOP (03296) (MCDONNELL	3		PAOZZ
109	NMC-ST9M529-4	CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-4)	1		PAOZZ
	NAS673V6	BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
110	NMC-ST9M529-4	. CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-4)	1		PAOZZ
	NAS673V4	. BOLT (AP)	1		PAOZZ
	AN960JD10L	WASHER (AP)	1		PAOZZ
111	74A582029-1001	TUBE ASSEMBLY, METAL - PRECHECK,	1		MGOZZ
112	NMC-ST9M529-4	CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-4)	2		PAOZZ
	NAS673V6	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
113	74A582098-2001	BRACKET, ANGLE - TUBE ASSY,	4		MGOZZ
	NAS674V3	BOLT (AP)	1		PAOZZ
	AN960JD416	. WASHER (AP)	1		PAOZZ
114	M25988/1-312	PACKING	15		PAOZZ
115	7M637BD-4D	. NIPPLE (76301)	1		PAOZZ
113	MS29512-04	PACKING (USE WITH INDEX 115)	1		PAOZZ
116		,	1		XBOZZ
116	74A582019-1005	TUBE ASSEMBLY - ELBOW, MOTIVE FLOW, TANK NO. 1, UPPER (76301)			
117	W904K20DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M765-20D-1)	1	*	PAOZZ
	14C12-20A	. COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M765-20D-1)	1	*	PAOZZ
118	MS29513-218	. PACKING	3		PAOZZ
119	2770042-113	VALVE, SHUTOFF - FUEL TRANSFER(NO. 1 FUEL TANK TRANSFER SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580164-213) (5VAR534)	1		PAOZZ
	2770042-111	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2770042-109 ‡	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2770042-107 ‡	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
120	74A582169-1701	TUBE ASSEMBLY, METAL - MOTIVE FLOW, Y380.476 (76301)	1	L	MGOZZ
121	W901K32DE	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	1	*	PAOZZ
	14J12-32A	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	1	*	PAOZZ
122	MS29513-226	. PACKING	3		PAOZZ
123	7M637BD-6D	. NIPPLE (76301)	1	J	PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 18)

1	T	1	1	1	
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	MS29512-06	PACKING (USE WITH INDEX 123)	1	J	PAOZZ
124	W904K32DE	COUPLING, CLAMP, GROOVED (HALF)	1	U*	PAOZZ
	14C12-32A	. COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M765-32D-1)	1	U*	PAOZZ
	W904K32CE	. COUPLING, CLAMP, GROOVED (HALF)	1	T*	PAOZZ
	14J12-32C	. SEE ABOVE (24984)	1	T*	PAOZZ
125	74A582012-1007	. TUBE ASSEMBLY - ELBOW TRANSFER, TANK NO. 1 (76301)	1	T	PAOZZ
	74A582012-1005	. SEE ABOVE	1	U	PAOZZ
	74A582012-1003	. SEE ABOVE	1	U*	PAOZZ
126	NAS674V4	. BOLT	2	Q	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 126)	2		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 126)	2		PAOZZ
	AN960JD416L	. WASHER (BETWEEN TUBE FLANGE	AR	Q	PAOZZ
127	NAS674V4	BOLT	1	R	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 127)	1		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 127)	1		PAOZZ
	AN960JD416L	. WASHER (BETWEEN TUBE FLANGE AND SUPPORT BRACKET) (MAXIMUM OF 3) (USE WITH INDEX 127)	AR	R	PAOZZ
128	W702-40D	NUT ASSEMBLY, TUBE COUPLING(79326) (MCDONNELL SPEC ST7M191-40D) (INCLUDES NUT AND 2 WASHERS)	1		PAOZZ
	12H72-40A	SEE ABOVE (24984)	1	*	PAOZZ
129	MS29513-334	PACKING	1		PAOZZ
130	2760102-109	EJECTOR, JET - FUSELAGE FUEL TRANSFER (92003) (NO. 1 FUEL TANK TRANSFER JET EJECTOR) (MCDONNELL SPEC 74-580112-123) (5BAP536) (FOR REPAIR OF 2760102-109 AND 2760102-107 SEE WP106 00)	1		PAOOO
	2760102-107	. SEE ABOVE	1	*	PAOOO
	2760102-103	. EJECTOR, JET - FUSELAGE FUEL TRANSFER (92003) (NO. 1 FUEL TANK TRANSFER JET EJECTOR) (MCDONNELL SPEC 74-580112-117) (5BAP536)	1	*	PAOZZ
131	NAS1291C4M	. NUT	4		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 131)	4		PAOZZ
132	MS29513-222	PACKING	2		PAOZZ
133	NAS674V5	. BOLT	4		PAOZZ
	AN96OJD416	. WASHER (USE WITH INDEX 133)	4		PAOZZ
134	74A582018-1001	. TUBE ASSEMBLY - MOTIVE FLOW TANK NO. 1, LOWER (76301)	1		PAOZZ
135	ST7M263V6	. ELBOW (76301)	1	G	PAOZZ
	NAS43DD9-13 ‡	. SPACER (USE WITH INDEX 135)	1		PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 135)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 135)	1		PAOZZ
136	NAS674V8	. BOLT	4		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 136)	4		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 136)	4		PAOZZ
137	ST7M263V6	. ELBOW (76301)	1	L	PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 137)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 19)

	T .	1	T		
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	MS29512-06	. PACKING (USE WITH INDEX 137)	1		PAOZZ
	MS28773-06	RETAINER (USE WITH INDEX 137)	1		PAOZZ
138	7M148V6	ELBOW (76301)	1	L*	PAOZZ
130	7M148DA6	ELBOW (76301)	1	L*	PAOZZ
139	18-1200	VALVE, FLOW CONTROL (FUEL TANK	1	L*	PAOZZ
	2770221-103	. SEE ABOVE (92003)	1	L*	PAOZZ
140	74A582160-1003	. TUBE ASSEMBLY, METAL - PRECHECK,	1	L	MGOZZ
141	W901K20DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	1	*	PAOZZ
	14J12-2OA	. COUPLING, CLAMP, GROOVED(24984) (MCDONNELL SPEC 7M765-2OD) (INCLUDES SLEEVE)	1	*	PAOZZ
142	NAS674V5	. BOLT	2	R	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 142)	2	R	PAOZZ
143	NAS674V7	. BOLT	2	R	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 143)	2	R	PAOZZ
144	NAS675V4	BOLT	1	R	PAOZZ
	AN960JD516	. WASHER (USE WITH INDEX 144)	1	R	PAOZZ
	NAS1291C5M	. NUT (USE WITH INDEX 144)	1	R	PAOZZ
145	74A582119-2003	PLATE (76301)	1	R	XBOZZ
146	74A582119-2001	LINK (76301)	1	R	XBOZZ
	NAS675V4	BOLT (AP)	1	R	PAOZZ
	AN960JD516	. WASHER (AP)	1	R	PAOZZ
	NAS1291C5M	NUT (AP)	1	R	PAOZZ
147	74A582120-2001	. EYEBOLT (76301)	1	R	PAOZZ
148	AN960JD416	. WASHER	AR	R	PAOZZ
149	AN960JD416	. WASHER	1	R	PAOZZ
150	NAS1291C4M	. NUT	1	R	PAOZZ
151	74A582027-2001	. SUPPORT - FWD, TUBE ASSY, VENT	1		XBOOG
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
152	MS29513-335	. PACKING	1		PAOZZ
153	74A582115-2001	BRACKET - TRANSMITTER, TANK	1		MGOZZ
	NAS674V2	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
	MS21060L4	. NUT, PLATE (USE WITH INDEX 153)	4		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
154	74A581018-1001	. SUPPORT - AFT, TUBE ASSY, VENT	1		XB000
	NAS673V3	BOLT (AP)	4		PAOZZ
	AN960JD416	WASHER (AP)	4		PAOZZ
155	4M36-02055	. WASHER, FLAT (AP) (76301) (BETWEEN SUPPORT AND TANK FITTINGS)	4		PAOZZ
156	NAS674V4	BOLT (OUTBOARD)	8		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 156)	8		PAOZZ
	NAS43DD4-14	. SPACER (USE WITH INDEX 156)	8		PAOZZ
157	74A581019-1003	BRACKET HAT, VENT TUBE ASSY,	4		XB000
	74A581019-2003	HAT (76301) (USE WITH INDEX 157)	1		MGOZZ
	MS21060L3	NUT, PLATE (USE WITH INDEX 157)	2		PAOZZ
	MS20426AD3 #	RIVET (AP)	2		-
158	NAS674V2	BOLT (INBOARD)	8		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 20)

	1			ı	
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	AN960JD416	. WASHER (USE WITH INDEX 158)	8		PAOZZ
159	MS29513-391	. PACKING	1		PAOZZ
160	74A581023-1005	BRACKET - TUBE ASSY, WING TRANSFER, TANK NO. 1, Y357.5 (76301)	1		XBOOO
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
161	74A581023-2009	. SUPPORT (76301)	1		MGOZZ
162	74A581023-2011	. TEE (76301)	1		XBOZZ
	MS20426AD5 #	. RIVET (AP)	5		-
	MS20470AD5 #	. RIVET (AP)	2		-
163	MS29513-335	. PACKING	3		PAOZZ
164	74A582094-2001	BRACKET (76301)	1		MGOZZ
	NAS674V3	. BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
	A11144-7-3	NUT, CLIP (72962) (MCDONNELL SPECST3M523C3M) (USE WITH INDEX 164)	2	妆	PAOZZ
	130091	NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 164)	2	**	PAOZZ
165	4M36-02055	. WASHER (76301)	6		PAOZZ
166	74A582080-2003	SUPPORT - TUBE ASSY, WING TRANSFER, TANK NO. 1, Y357.50 (76301)	1		XBOZZ
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
167	74A582060-1005	. SUPPORT - TUBE ASSY, REFUEL	1		XBOOO
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
168	74A581024-2003	. BRACKET (76301)	1		MGOZZ
	NAS674V3	. BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 168)	3	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 168)	3	**	PAOZZ
169	74A582060-2013	. TEE (76301)	1		XBOZZ
	MS20470AD5 #	. RIVET (AP)	3		-
170	74A582060-2017	. TEE (BASE) (76301)	1		XBOZZ
171	74A582060-2015	. TEE (76301)	1		XBOZZ
	MS20426AD5 #	. RIVET (AP)	4		-
172	74A582149-2001	SUPPORT - TUBE ASSY, WG XTR LINE,	1		MGOZZ
	NAS674V3	. BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
173	74A582079-2003	. SUPPORT (76301)	1		XBOZZ
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
174	MS29513-333	. PACKING	5		PAOZZ
175	74A582074-2003	. SUPPORT (76301)	1		XBOZZ
	NAS674V3	BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
176	74A585735-2001 ¶	RETAINER, FUEL CELL FITTING - BHD,	1		PAOZZ
	74A585735-1001 ¶	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	P	PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 21)

	T		UNITS	USE	
NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	PER ASSY	ON CODE	SM&R CODE
	LS580178-101¶	. LOCKNUT, TUBE FITTING - BHD CONN,	1	E	PAOBZ
177	MS29513-325	. PACKING	1		PAOZZ
178	74A585734-2001 ¶	. RETAINER, FUEL CELL FITTING - BHD 1.25 DIA, ASSY OR (76301) (REPLACES 74A585734-1001)	1		PAOZZ
	74A585734-1001 ¶	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	S	PAOZZ
	LS580171-101 ¶	. LOCKNUT, TUBE FITTING - BHD CONN, 1.25 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580171-101)	1	Е	PAOBZ
179	MS29513-327	PACKING	1		PAOZZ
180	74A585736-2001 ¶	. RETAINER, FUEL CELL FITTING BHD, 0.375 DIA, ASSY OR (76301) (REPLACES 74A585736-1001)	1		PAOZZ
	74A585736-1001 ¶	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	P	PAOZZ
	74A586450-1003 ¶	NUT, EXTENDED WASHER, HEXAGON SELF-LOCKING, BHD CONN (76301)	1	Е	PAOZZ
181	M25988/1-315	. PACKING	5		PAOZZ
182	74A585730-2001 ¶	RETAINER ASSEMBLY - FUEL CELL	2		PAOZZ
	74A585730-1001 ¶	. SEE ABOVE (USE UNTIL EXHAUSTED)	2	S	PAOZZ
	LS580174-101 ¶	. LOCKNUT, TUBE FITTING - BHD CONN, 2.50 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580174-101)	2	E	PAOBZ
183	MS29513-337	PACKING	2		PAOZZ
184	74A582072-1001	. SUPPORT - EJECTOR ELBOW, FUEL, TANK NO. 1 (76301) (REPLACES 74A582071-1005 AND 74A582071-1003)	1	V	XBOOO
	74A582071-1005	. BRACKET - EJECTOR ELBOW, FUEL TANK NO. 1 (76301) (REPLACED BY 74A582072-1001)	1	K	XBOOO
	74A582071-1003	. BRACKET - EJECTOR ELBOW, FUEL TANK NO. 1 (76301) (REPLACED BY 74A582072-1001)	1	W	XBOOO
	NAS674V3	BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
185	74A585733-2001 ¶	. RETAINER, FUEL CELL FITTING - BHD, 2.00 DIA, ASSY OR (76301) (REPLACES 74A585733-1001)	1		PAOZZ
	74A585733-1001 ¶	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	P	PAOZZ
	LS5B0173-101 ¶	. LOCKNUT, TUBE FITTING - BHD CONN, 2.0 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580173-101)	1	E	PAOBZ
186	74A585731-2001 ¶	RETAINER, FUEL CELL FITTING - BHD	1		PAOZZ
	74A585731-1001 ¶	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	S	PAOZZ
	LS580177-101 ¶	. LOCKNUT, TUBE FITTING - SPCL BHD CONN, 2.5 DIA TUBE (03038) (MCDONNELL SPEC 74B580177-101)	1	Е	PAOBZ
187	MS29513-339	PACKING	3		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 22)

1	T	1	ı		
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
188	74A582090-1005	. SUPPORT - VALVE, PILOT, FLOAT MOTIVE FLOW, TANK NO. 1 (76301) (REPLACES 74A582090-1003) (FOR REPAIR SEE WP105 00)	1		XBOOO
	74A582090-1003	. SUPPORT - VALVE, PILOT, FLOAT MOTIVE FLOW, TANK NO. 1 (76301) (REPLACED BY 74A582090-1005) (FOR REPAIR SEE WP105 00)	1	W	XBOOO
	NAS674V2	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
189	2760110-102	VALVE, FLOAT, AIRCRAFT - FUEL TRANSFER (TANK 1) (MOTIVE FLOW PILOT VALVE) (92003) (MCDONNELL SPEC 74-580164-203) (SVAP537)	1		PAOZZ
	2760110-101	. SEE ABOVE	1	*	PAOZZ
190	74A582073-2003	. SUPPORT, TRANSMITTER (76301)	1		PAOZZ
	74A582062-2003	. SEE ABOVE	1	*	PAOZZ
	NAS663V2HT	. SCREW (AP)	3		PAOZZ
191	74A582082-1003	. ADAPTER - TANK DRAIN AND VENT (76301)	1		PAOZZ
	74A582082-1001	. SEE ABOVE	1	*	PAOZZ
192	MS29513-213	. PACKING	1		PAOZZ
193	74A586450-1009	. NUT, EXTENDED WASHER, HEXAGON - SELF LOCKING, BHD CONN (76301)	3		PAOZZ
	74A586450-1001	. NUT, EXTENDED WASHER, HEXAGON - SELF LOCKING, BHD CONN (76301)	3	*	PAOZZ
194	74A586450-1003	. NUT, EXTENDED WASHER HEXAGON - SELF LOCKING, BHD CONN (76301)	1		PAOZZ
195	7M35-6	. CAP ASSY (76301)	1		PAOZZ
196	AN929-4	. CAP ASSEMBLY	1	J	PAOZZ
197	74A582073-2001	. SUPPORT, TRANSMITTER (76301)	1		PAOZZ
	74A582062-2001	. SEE ABOVE	1	*	PAOZZ
	NAS673V2	. BOLT (AP)	3		PAOZZ
	AN960JD10L	. WASHER (AP)	3		PAOZZ
198	74A582102-2001	. BRACKET (76301)	1		MGOZZ
	NAS674V3	. BOLT (AP)	1		PAOZZ
	AN960JD416	. WASHER (AP)	1		PAOZZ
199	74A582070-1013	. SUPPORT - PUMP, FUEL EJECTOR TANK NO. 1, Y379.5 (76301) (REPLACES 74A582070-1011 OR 74A582070-1007) (FOR REPAIR SEE WP106 00)	1		XBOOO
	74A582070-1011	SEE ABOVE (REPLACES 74A582070-1007, REPLACED BY 74A582070-1013)	1	F	XBOOO
	74A582070-1007	. SEE ABOVE (REPLACED BY 74A582070-1011 OR 74A582070-1013)	1	D	XBOOO
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
200	74A582072-2003	. SUPPORT (76301) (SUPERSEDES	1		XBOZZ
	MS20426AD4#	. RIVET (AP)	4		-
201	74A582071-2005	. RETAINER (76301)	1	W	MGOZZ
202	74A582088-2007	. SUPPORT (76301)	1	X	XBOZZ
	MS20426AD4 #	RIVET (AP)	4		-
203	NAS674V3	. BOLT	3		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 203)	3		PAOZZ
204	NAS6604-6	. BOLT	4		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 204)	4		PAOZZ
205	NAS6604-3	. BOLT	8		PAOZZ
200	AN960JD416	. WASHER (USE WITH INDEX 205)	8		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 23)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
206	NAS674V3	. BOLT	2	N	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 206)	2	N	PAOZZ
207	HT4053-4-2	SCREW, CLOSE TOLERANCE (MCDONNELL SPEC ST3M740-4-2)	2	N	PAOZZ
	74K580001-1013 + +	. PACKING ASSORTMENT, PREFORMED FUEL TANK NO. 1 (76301)	1		PAOZZ
	74K580001-1009	. SEE ABOVE	1	*	PAOZZ
	MS29513-391	. PACKING	1		XAOZZ
	MS29513-349	. PACKING	1		XAOZZ
	MS29513-339	. PACKING	3		XAOZZ
	MS29513-337	. PACKING	2		XAOZZ
	MS29513-335	. PACKING	4		XAOZZ
	MS29513-334	. PACKING	1		XAOZZ
	MS29513-333	. PACKING	6		XAOZZ
	MS29513-327	. PACKING	1		XAOZZ
	MS29513-325	. PACKING	1		XAOZZ
	MS29513-232	. PACKING	1		XAOZZ
	MS29513-230	. PACKING	7		XAOZZ
	MS29513-229	. PACKING	2		XAOZZ
	MS29513-226	. PACKING	1		XAOZZ
	MS29513-222	. PACKING	3		XAOZZ
	MS29513-218	. PACKING	1		XAOZZ
	MS29513-214	. PACKING	3		XAOZZ
	MS29513-213	. PACKING	1		XAOZZ
	MS29513-116	. PACKING	2		XAOZZ
	MS29S12-10	PACKING	2		XAOZZ
	M25988/1-315	. PACKING	5		XAOZZ
	M25988/1-312	. PACKING	15		XAOZZ
	M25988/2-116	PACKING	1		XAOZZ

⁺⁺ USER MAY COMPLETE TANK INSTALLATION AND HAVE PACKINGS REMAINING BECAUSE KIT CONTAINS ENOUGH PACKINGS TO COVER ALL EFFECTIVITIES.

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 24)

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

[#] LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

[¶] NUTS ARE USED WITH PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS ARE USED WITH NON-PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS AND NON-PROTRUDING TYPE BULKHEAD CONNECTORS ARE REPLACEMENT PARTS FOR NUTS AND PROTRUDING TYPE BULKHEAD CONNECTORS, REF WP040 00 WP013 02.

[@] ON 161520 THRU 161987 THIS FUEL TANK MUST ALSO INCLUDE 74A582075 BLOCK (REF WP017 01 AND A1-F18AC-SRM-220, WP031 02)

[‡] NAS43DD9-13 SPACER MUST BE USED WITH 2770042-107 AND 2770042-109 VALVE ONLY.

⁺ USE WITH 472995-401.

† † THESE PARTS MUST BE USED TOGETHER. (TUBE WITHOUT ORIFACE USES ELBOW WITH ORIFACE)

CODE	USABLE ON	MODEL
A	161353 THRU 161526	F/A-18A
В	161520 THRU 161761 BEFORE F/A-18 AFC 39	F/A-18A
C	161353 THRU 161987	F/A-18A
D	161353 THRU 161736	F/A-18A
E	161353 THRU 161715	F/A-18A
F	161737 THRU 161761	F/A-18A
G	161520 & UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39	
Н	161925 & UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 39	F/A-18A
J	161966 & UP; ALSO 161353 THRU 161965 AFTER F/A-18 AFC 53	F/A-18A
K	161925 THRU 161987; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 39 BUT BEFORE F/A-18 IAFC 115	F/A-18A
L	161520 THRU 161965 BEFORE F/A-18 AFC 53	F/A-18A
M	161520 THRU 162909; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39	F/A-18A
N	163092 & UP	F/A-18A
P	161716 THRU 162414	F/A-18A

Figure 1. No. 1 Fuel Tank (5CAP508) - F/A-18A (Sheet 25)

[†] THESE PARTS MUST BE USED TOGETHER. (TUBE WITH ORIFACE USES STANDARD ELBOW)

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INDEX NO.	PART NUMBER	1	DESCRIPT 2 3 4 5 6 7	ION	UNITS PER ASSY	USE ON CODE	SM&R CODE
		Q	161520 THRU 1631 BEFORE F/A-18 IA	,			
		R	163119 AND UP; AI 161353 THRU 16311 AFTER F/A-18 IAFO	18			
		S	161716 THRU 1624	11 F/A-18A			
		T	161353 & UP; AFTE F/A-18 IAFC 115	R F/A-18A			
		U	161353 & UP; BEFC F/A-18 IAFC 115	PRE F/A-18A			
		V	162394 & UP; ALSC 161353 THRU 16198 AFTER F/A-18 IAFC	37			
		W	161353 THRU 16176 BEFORE F/A-18 AF OR F/A-18 IAFC 11:	C 39			
		X	161925 & UP ALSO 161353 THRU 16192 AFTER F/A-18 AFC F/A-18A IAFC 115	24			

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ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

FUEL TANK MAINTENANCE PRECAUTIONS AND GENERAL PREPARATION FUEL STORAGE SYSTEM

Reference Material

Line Maintenance Access Doors	A1-F18AC-LMM-010
Plane Captain Manual	A1-F18AC-PCM-000
Line Maintenance Procedures	A1-F18AC-LMM-000
Fuel System	A1-F18AC-460-300
Ground Support Equipment	WP009 01
No. 1 Fuel Tank Inspection and Folding	WP017 00
No. 2 Fuel Tank Inspection and Folding	WP021 00
No. 3 Fuel Tank Inspection and Folding	WP025 00
No. 4 Fuel Tank Inspection and Folding	WP029 00
Vent Tank Inspection and Folding	WP034 00
Aircraft Fuel Cells and Internal/External Tanks	NAVAIR 01-1A-35
Aviation Hose and Tube Manual	NAVAIR 01-1A-20

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Record of Applicable Technical Directive

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 043	-	Replacement of 7M404/7M550 Fuel Couplings with Improved 7M765 Fuel Couplings (ECP MDA F/A-18-00143)	1 Mar 86	-

1. FUEL TANK MAINTENANCE PRECAUTIONS.

Support Equipment Required

Part Number or Type Designation	Nomenclature
57A43	Electric General Purpose Explosion Proof Lantern
NF20-1	Fuel Cell Breathing and Ventilating System
ES2691	Personnel Electronic Communicator
713620	Fuel Cell Personnel Retrieval Safety Harness
74D460121-1001	Fuel Tank Protection Insulation Pad Set

Materials Required

None

a. Refer to NAVAIR 01-1A-35 for instructions regulating safety of personnel and protective clothing required while performing fuel tank maintenance.

WARNING

Failure to do the steps below before or during fuel tank maintenance may result in death or injury to personnel, or damage to aircraft.

Aviation turbine fuel is flammable and toxic to eyes, skin, and respiratory tract. Skin/eye protection required. Avoid repeated/prolonged contact. Use only in well ventilated areas. Keep away from open flames or other sources of ignition.

- b. Make sure external electrical and hydraulic power are removed from aircraft (A1-F18AC-LMM-000). Tag aircraft external power receptacle with an applicable warning to indicate external power is not to be applied to the aircraft.
- c. When working inside fuselage or wing fuel tanks, make sure both utility and emergency battery connectors are disconnected and tagged per paragraph 18.
- d. Make sure aircraft is grounded to approved static grounding point before starting any fuel tank maintenance (A1-F18AC-LMM-000).
- e. Make sure all ground support equipment is grounded to approved static grounding points before starting any fuel tank maintenance.
- f. All persons involved in fuel tank maintenance shall dissipate static potential by touching or

gripping an approved static ground often during fuel tank maintenance operation.

- g. All ordnance must be removed from aircraft.
- h. Make sure radar is not operating in the vicinity of fuel tank maintenance.
 - i. Make sure fire fighting equipment is available.
- j. Do not allow smoking within 100 feet of fuel tank maintenance operation.
- k. Do not allow operation of aircraft engines and/ or spark/heat producing equipment within 50 feet of fuel tank maintenance operation.
- 1. Do not allow any liquid oxygen operations within 100 feet of fuel tank maintenance operation.
- m. Do not allow any other aircraft maintenance during fuel tank purging.
- n. Only explosion proof droplights and flashlights are to be used during fuel tank maintenance operation. Do not allow hot droplights to contact fuel tank rubber walls.
- o. Any power tools required during fuel tank maintenance must be air driven.
- p. To prevent damage to fuel tank rubber walls, keep all tools in a soft plastic bag or pan when not in use and use caution when removing components and subassemblies.
- q. "The quality of air present around the breathing air pump's air inlet pipe (part of NF20-1 Fuel Cell Breathing and Ventilating System) is the same as what is supplied to the respirator. Therefore, the pump's air inlet pipe must be located in an area free from contaminants such as vapors, fumes, gases, etc. If necessary, the air inlet pipe may be extended via additional lengths of pipe and/or hose, into an area where clean respirable air is available."
- r. Enter fuel tank wearing clean cotton coveralls with no pockets or buttons, clean white socks (or rubber boots if fuel is in tank), a portable respirator, a communicator and a safety harness (WP009 01).

- s. Wear no jewelry when entering fuel tank.
- t. Presence of a safety observer is required during fuel tank maintenance operations.
- u. To prevent fuel leaks, never reuse old packings or gaskets.
- v. Keep access openings covered when not working in fuel tanks.
- w. Always have a protective pad (WP009 01) on the floor of fuel tank.
- x. Never use walls of fuel tank as steps when entering or leaving fuel tank.
 - y. Never refuel/defuel during aircraft maintenance.
- z. All bolts which penetrate fuel tanks 2, 3, 4 or vent tank through cavity fitting, should be sealed at bolt threads per paragraph 23 to prevent fuel leaks.

2. GENERAL PREPARATION FOR RE-MOVAL.

Support Equipment Required

Part Number or Type Designation	Nomenclature
72-8001	Toxic and Combustible Gas Indicator
74D460024-1001	Fuel Cell Cavity Cooling Unit - Personnel

Materials Required

Specification or Part Number Nomenclature MIL-L-6081, Lubricating Oil Grade 1010 (CAGE 81349)

- a. Do or observe all fuel tank maintenance precautions. See paragraph 1.
 - b. Defuel aircraft (A1-F18AC-PCM-000).

WARNING

To prevent personal injury when draining fuel from tanks, do not stand directly under drain valve.

c. Drain residual fuel (A1-F18AC-PCM-000).









Lubricating Oil, MIL-L-6081, Grade 101

d. When fuel tank maintenance is required and there is a possibility that fuel system will be disassembled for an extended period of time, it is recommended that fuel system be oil purged to satisfy fuel system storage requirement. If fuel tank maintenance shall exceed 72 hours and fuel tank was not oil purged, apply a thin coat of lubricating oil to cell interior walls. Refer to NAVAIR 01-1A-35.

WARNING

When fuel tank entry is required, an open tank creates a fire/health hazard. To prevent injury to personnel from possible fire and/or explosion and inhalation of toxic vapors, fresh air circulation must be maintained at all times when a fuel tank is open.

- e. When personnel are required to enter a fuel tank, refer to NAVAIR 01-1A-35 for instruction regulating general safety, depuddling, purging and inverting methods.
- f. Remove access cover from fuel tank per substeps below:
- (1) No. 1 Fuel Tank Access Cover F/A-18A (WP003 00).
- (2) No. 1 Fuel Tank Access Cover F/A-18B (WP004 00).
 - (3) No. 2 Fuel Tank Access Cover (WP005 00).
 - (4) No. 3 Fuel Tank Access Cover (WP006 00).

- (5) No. 4 Fuel Tank Forward Access Cover (WP007 00).
- (6) No. 4 Fuel Tank Aft Access Cover (WP008 00).
 - (7) Vent Tank Access Cover (WP009 00).
- g. Inspect all corners of fuel tank atmosphere with combustible gas indicator (WP009 01). Continue purging, if required, until a safe indication is arrived at.
- h. Position protective pad(s) on fuel tank floor (WP009 01).

WARNING

Temperature inside fuel tank may get high enough to cause heat exhaustion.

- i. If temperature inside fuel tank is unsatisfactory use fuel cell cavity personnel cooling unit (WP009 01).
- j. When removing and inspecting couplings, use procedures in paragraphs 4 or 8.
- k. Inspect fuel tank for damage such as nicks, cuts or gouges.
- 1. Inspect self-sealing fuel tank areas for activation indicated by swelled, distorted or delaminated areas.

WARNING

To prevent injury to personnel, trapped fuel remaining in fuel tank components should not be allowed to spill inside fuel tank during removal. Unavoidable fuel spills should be mopped up and removed immediately.

- m. Catch any trapped fuel remaining in fuel tank components with an approved safety container, as required, during removal. Mop up and remove any fuel spills inside tank immediately.
- n. Cover all open lines and ports after opening to prevent contamination.
- o. Remove all tools and equipment from fuel tank after maintenance is done.

3. GENERAL PREPARATION FOR COMPONENT INSTALLATION. (QA).

Support Equipment Required

None

Materials Required

None

- a. Do or observe all fuel tank maintenance precautions. See paragraph 1.
- b. On no. 2 and no. 3 fuel tanks, do substeps below:
- (1) Inspect self-sealing area for swelled, distorted or delaminated areas. Leakage causes self-sealing material to activate.
- (2) Inspect boost pump screen for damage or obstructions.
- (3) Make sure baffle check valve screens will not prevent check valves from closing completely.
- (4) On 161746 AND UP inspect form in place seals before installing baffle access panels. If damaged refer to A1-F18AC-SRM-500, WP010 00.
- c. Inspect fuel tank per applicable inspection WP listed below:
 - (1) No. 1 Fuel Tank (WP017 00)
 - (2) No. 2 Fuel Tank (WP021 00)
 - (3) No. 3 Fuel Tank (WP025 00)
 - (4) No. 4 Fuel Tank (WP029 00)
 - (5) Vent Tank (WP034 00)
- d. Inspect any open bulkhead fittings for damage and/or contamination.
- e. Inspect all flapper type check valves for freedom of movement and correct seating.

- f. Inspect ejectors, valves, lines, tubes or similar parts for obstructions, clogs or damage.
- g. Inspect supports, brackets and lines for damage and security.
- h. Inspect for loose B-nuts, or loose or missing couplings and hardware.
- i. Inspect and install couplings using procedures in paragraphs 4 or 8.
- j. After tank maintenance is completed, remove no-power tag from external power receptacle and connect both utility and emergency connectors per paragraph 18.
- 4. GROOVED CLAMP COUPLING (OVERCENTER LATCH TYPE) RE-MOVAL, INSPECTION AND INSTALLATION. (Figure 1).

Support Equipment Required

None

Materials Required

None

5. REMOVAL.



To prevent damage to couplings, causing possible fuel leaks, do not use pliers, screwdrivers or other tools to remove couplings.

- a. Using caution not to deform spring lock, pull lock out of detent.
- b. Lift latch handle and move buckle bail out of latch.
 - c. Remove clamp housing.

CAUTION

To prevent damage to sleeves, causing possible fuel leaks, do not use pliers, screwdrivers or other tools to remove sleeves.

Tubes with half couplings appear to have sleeves, however these sleeves are permanently attached to tube. Damage to tube will result if sleeve removal is tried.

- d. Using caution to prevent damage, slide sleeve over tube.
- e. To prevent damage or contamination put clamp housing and sleeve in a plastic bag.

6. INSPECTION. (QA)

WARNING

To prevent a possible fire and/or explosion, make sure corrosion resistant steel couplings are used in high heat areas (AMAD and engine bays). Both the outer clamp and inner sleeve will have a silver grey color.

- a. If coupling is to be used in a high heat area (AMAD engine bays), make sure it is made of corrosion resistant steel.
- b. Inspect for distortion or damage of clamp housing and grounding wire.
 - c. Inspect for distortion or damage of sleeve.
 - d. Inspect for scratches on inside of sleeve.

NOTE

Inside of sleeves are prelubricated with fuel insoluble lubricant and should not be wiped.

- e. Make sure inside of sleeve has lubrication, if not, replace sleeve.
- f. Inspect for cracks or damage to clamp hinge and securing rivets.

- g. Inspect for cracks or damage to latch and securing rivets.
- h. Inspect latch and hinge pins per substeps below:
- (1) Reject coupling if any part of pin flare is flush or inside latch/hinge hole.
- (2) Using hand pressure, push on pin flare with a pointed object and reject coupling if flare begins to push through latch/hinge hole.
 - i. Inspect for damage or elongation of buckle bail.
 - j. Inspect for cracks or distortion of spring lock.
- k. Inspect for positive snap action of spring lock into detent position. Cycle latch handle to verify proper operation.

7. INSTALLATION.

- a. Install new packings (figure 1).
- b. Slide sleeve(s) over tubing.
- c. Align tubing.
- d. Slide sleeve over packings.
- e. Position and clamp coupling.
- f. Rotate coupling at least 360° Then visually verify spring lock is securely locked in detent position. (QA)
- g. Lightly apply lifting pressure to latch handle. Latch should remain closed. (QA)
 - h. Make sure tube or component is secure.

NOTE

Overcenter latch type couplings W901B, W901C, W901F, W904B, W904C, W904E and W904F located outside fuel tanks, require saftying after installation.

i. If coupling is located outside fuel tanks, safety (if applicable) per paragraph 21 or 22.

8. GROOVED CLAMP COUPLING (PAWL LATCH TYPE) REMOVAL, INSPECTION AND INSTALLATION. (Figure 1).

Support Equipment Required

None

Materials Required

None

9. REMOVAL.



To prevent damage to couplings, causing possible fuel leaks, do not use pliers, screwdrivers or other tools to remove couplings.

- a. Lift pawls and open clamp housing.
- b. Remove clamp housing.

CAUTION

Do not use pliers, screwdrivers or other tools to remove sleeves.

Tubes with half couplings appear to have sleeves, however these sleeves are permanently attached to tube. Damage to tube will result if sleeve removal is tried.

- c. Using caution to prevent damage, slide sleeve over tube.
- d. To prevent damage or contamination, put clamp housing and sleeve in a plastic bag.

10. INSPECTION. (QA)

WARNING

To prevent a possible fire and/or explosion, make sure corrosion resistant steel couplings are used in high heat areas (AMAD and engine bays). Both the outer clamp and inner sleeve will have a silver grey color.

- a. If coupling is to be used in a high heat area (AMAD, engine bays), make sure it is made of corrosion resistant steel.
- b. Inspect for distortion or damage of clamp housing and grounding wire.
 - c. Inspect for distortion or damage of sleeve.
 - d. Inspect for scratches on inside of sleeve.
- e. Make sure inside of sleeve has lubrication, if not, replace sleeve.
- f. Inspect for cracks or damage to clamp hinge and securing pins.
- g. Inspect for cracks or damage to pawls, pawl springs and securing pins.
- h. Inspect for positive snap action of pawls over pins to closed position.

11. INSTALLATION.

- a. Install new packings.
- b. Slide sleeve(s) over tubing.
- c. Align tubing.
- d. Slide sleeve over packings.
- e. Position and clamp coupling.
- f. Rotate coupling at least 360°. Then visually verify pawls are securely locked in closed position. (QA)
 - g. Make sure tube or component is secure.

12. BULKHEAD RETAINER (DRY FILM LUBRICATED) INSTALLATION AND TORQUING. (Figure 3).

Support Equipment Required

Type Designation	Nomenclature
152016-1	Fuel Tank Bulkhead Adapter Socket Wrench Set
-	Torque Wrench, 0 to 600 Inch-Pounds
-	Torque Wrench, 0 to 75 Inch-Pounds

Materials Required

None

a. Make sure packing is fully seated between bulkhead connector and fuel tank fitting over its full circumference.

NOTE

Small amounts of petrolatum on threads of retainer and connector are acceptable.

b. Do not intentionally lubricate threads of retainer or connector. Remove any excessive amount of petrolatum from threads.



When installing retainer, make sure tank fitting is properly positioned over bulkhead connector and against cavity wall to prevent improper packing seating. Improperly seated or damaged packings will result in fuel leaks. Packing must be installed and seated before installing retainer. Retainer must not be used to seat packing.

NOTE

A packing "pinched" between retainer and tank fitting will cause high running torque readings.

Retainer should be installed by hand. Retainer threads should engage bulkhead connector threads freely without galling.

Dry film lubricated bulkhead retainers do not have a nylon locking patch on threads.

- c. Start retainer on connector by hand.
- d. Tighten retainer handtight making sure retainer threads are not galling. If retainer threads feel as if they are galling, determine running torque before contact is made with packing If running torque is more than 25 inch-pounds, inspect retainer and bulkhead connector threads for damage.

NOTE

Retainer packings may be visible through wrench slots of retainer after metal-to-metal contact is made.

e. After metal-to-metal contact is made, make sure fuel tank fitting contacts bulkhead retainer and packing is not visible except through wrench slots.

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CAUTION

To prevent damage to tank, make sure tank material does not twist during final torque.

- f. Torque retainer to torque value listed below: (QA)
- (1) Torque retainers with inside diameters up to and including 1 inch, 140 to 190 inch-pounds.
- (2) Torque retainers with inside diameters over 1 inch up to and including 2 inches, 180 to 230 inch-pounds.
- (3) Torque retainers with inside diameters over 2 inches, 220 to 280 inch-pounds.
- g. Verify metal-to-metal contact using a 0.0015 inch feeler gage per substeps below:
- (1) Insert feeler gage between the retainer and tank fitting. The gage should fit between the retainer and tank fitting for no more than half the circumference.
- (2) If gage fits between the retainer and tank fitting for more than half the circumference, remove retainer and inspect threads and packings for damage and replace as required.

13. BULKHEAD RETAINER (WITH LOCKING PATCH) INSTALLATION AND TORQUING. (Figure 3).

Support Equipment Required

Part Number or Type Designation	Nomenclature
152016-1	Fuel Tank Bulkhead Adapter Socket Wrench Set
-	Torque Wrench, 0 to 75 Inch-Pounds
-	Torque Wrench, 0 to 120 Inch-Pounds
-	Torque Wrench, 0 to 600 Inch-Pounds

Materials Required

Specification or Part Number

Nomenclature

VV-P-236

Technical Petrolatum

(CAGE 81348)

a. Make sure packing is fully seated between bulkhead connector and fuel tank fitting over its full circumference.





Technical Petrolatum, VV-P-236

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b. Lubricate threads of retainer with a coating of petrolatum to ease installation.



When installing retainer, make sure tank fitting is properly positioned over bulkhead connector and against cavity wall to prevent improper packing seating. Improperly seated or damaged packings will result in fuel leaks. Packing must be installed and seated before installing retainer. Retainer must not be used to seat packing.

c. Start retainer on connector by hand.

NOTE

A packing "pinched" between retainer and tank fitting will cause high running torque readings.

d. Determine running torque before metal-to-metal contact between retainer and fuel tank fitting is made. If running torque is less than 40 inch-pounds or more than 200 inch-pounds, replace retainer.

NOTE

Retainer packings may be visible through wrench slots of retainer after metal-to-metal contact is made.

e. After metal-to-metal contact is made, make sure fuel tank fitting contacts bulkhead retainer and packing is not visible except through wrench slots.

CAUTION

To prevent damage to tank, make sure tank material does not twist during final torque.

- f. Torque retainer 10 to 25 inch-pounds above running torque after metal-to-metal contact is made. (QA)
- g. Verify metal-to-metal contact using a 0.0015 inch feeler gage per substeps below:
- (1) Insert feeler gage between the retainer and tank fitting. The gage should fit between the retainer and tank fitting for no more than half the circumference.
- (2) If gage fits between the retainer and tank fitting for more than half the circumference, torque retainer to 350 inch-pounds maximum and repeat substep (1).
- (3) If gage still fits between the retainer and tank fitting for more than half the circumference, remove retainer and inspect threads and packings for damage and replace as required.

14. BULKHEAD NUT INSTALLATION AND TORQUING. (Figure 3).

Support Equipment Required

Part Number or Type Designation	Nomenclature
Semco No. 250	Pneumatic Sealant Gun
Semco No. 440 (No. 420)	Sealant Gun Nozzle
74D460102-1001	Fuel Tank Bulkhead Nut Adapter Set
-	Torque Wrench, 0 to 75 Inch-Pounds
-	Torque Wrench, 0 to 120 Inch-Pounds

Materials Required

Specification or Part Number	Nomenclature
MIL-S-8802, Class B 1/2 (CAGE 81349)	Sealing Compound
CCC-C-400, Type 1, Class 1 (CAGE 81348)	Cheesecloth
TT-I-735 (CAGE 81348)	Isopropyl Alcohol

CAUTION

Failure to install red bulkhead nuts per steps below can result in fuel leaks.

- a. Make sure there is no lubricant on threads of bulkhead connector.
 - b. Start nut on connector by hand.



Bulkhead nut adapters are heavy and can easily damage tank. The damage may or may not be visually detectable. Do not allow bulkhead nut adapters to contact fuel tank.

- c. Make sure packing is fully seated in groove over its full circumference.
- d. Determine running torque just before metal-tometal contact is made.

NOTE

Floor fitting packings may be visible after metal-to-metal contact is made if floor fitting and bulkhead nut are near opposite tolerance limits.

e. After metal-to-metal contact is made, make sure tank fitting contacts bulkhead nut around its total circumference and packing is not visible.



To prevent damage to tank, make sure tank material does not twist during final torque.

- f. If running torque is 40 inch-pounds or more, do substep below:
- (1) Torque nut 10 to 25 inch-pounds above running torque after metal-to-metal contact is made. (QA)
- g. If running torque is not 40 inch-pounds or more, do substeps below:
- (1) Torque nut 10 to 25 inch-pounds above running torque after metal-to-metal contact is made. (QA)









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Isopropyl Alcohol, TT-I-735

(2) Clean area on top of nut where metal-to-metal contact is made with cheesecloth moistened with isopropyl alcohol. Wipe area with clean, dry cheesecloth before alcohol evporates. Repeat procedure until no visible contamination remains.







Sealing Compound, MIL-S-8802, Class B 1/2

- (3) Apply 0.50 inch bead of sealing compound along top of metal-to-metal contact area of nut and tank fitting. Make sure sealing compound laps nut and tank fitting 0.125 inch (figure 3). (QA)
- (4) Allow sealing compound to dry before refueling (8 hours at 77° F).

15. LACING CORD END PREPARATION.

Support Equipment Required

None

Materials Required

Specification or Part

Number Nomenclature

EC-776 (CAGE 04963) Adhesive

16. **SEALING METHOD**.











Adhesive, EC-776

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- a. Dip 1.3 to 1.5 inches of lacing cord in adhesive.
 - b. Allow 1 hour to dry. See figure 2.

17. **HEATING METHOD**.



Do not allow open flames or sparks within 100 feet of aircraft.

- a. Heat end of cord.
- b. Finish end by pulling a damp cloth over warm lacing cord. See figure 2.

18. UTILITY BATTERY AND EMER-GENCY BATTERY DISCONNECT/CON-NECT.

Support Equipment Required

None

Materials Required

None

19. **DISCONNECT**.

- a. On ELEC power control panel (figure 4), set BATT switch to OFF.
- b. Open doors 10L and 10R (A1-F18AC-LMM-010).
- c. In door 10L, disconnect connector (2) and in door 10R, disconnect connector (1).
- d. Tag connectors with a warning sign to indicate connectors are not to be connected.
- e. On 161353 THRU 161528, remove utility battery and charger unit (A1-F18AC-420-300, WP019 00) and emergency battery and charger unit (A1-F18AC-420-300, WP020 00) if aircraft will be down for an extended period.
- f. On 161702 AND UP, remove utility battery (A1-F18AC-420-300, WP019 00) and emergency battery (A1-F18AC-420-300, WP020 00) if aircraft will be down for an extended period.

20. CONNECT.

- a. On 161353 THRU 161528, install utility battery and charger unit (A1-F18AC-420-300, WP019 00) and emergency battery and charger unit (A1-F18AC-420-300, WP020 00) if removed in paragraph 19, step e.
- b. On 161702 AND UP, install utility battery (A1-F18AC-420-300, WP019 00) and emergency battery (A1-F18AC-420-300, WP020 00) if removed in paragraph 19, step f.

- c. Make sure electrical power is removed (A1-F18AC-LMM-000).
- d. On ELEC power control panel assembly (figure 4), make sure BATT switch is set to OFF.
- e. In door 10L, connect connector (2) and in door 10R, connect connector (1).
 - f. Remove warning tags.
- g. Verify utility battery operation per substeps below:
- (1) On ELEC power control panel assembly, set BATT switch to ON.
- (2) On caution light indicator panel, BATT SW caution light comes on.
- h. Verify emergency battery operation per substeps below:
- (1) On ELEC power control panel assembly, set BATT switch to ORIDE.
- (2) On caution light indicator panel, BATT SW caution light comes on.



To prevent damage to battery bus contractors and/or batteries, be sure BATT switch is set to OFF and BATT SW caution light is off.

- i. Set BATT switch to OFF. BATT SW caution light goes out.
- j. Close doors 10L and 10R (A1-F18AC-LMM-010).
- 21. GROOVED CLAMP COUPLING W901B, W904B, W901C, W904C, WP01F, W904E AND W904F LOCK-WIRE PROCEDURE. (Figure 5) (QA)

Support Equipment Required

None

Materials Required

Specification or Part Number

Nomenclature

MS20995NC20 (CAGE 96906) Lockwire

MIL-C-85054, Type I

Corrosion Preventative Compound

(CAGE 81349)

WARNING

To prevent possible fire and/or explosion, fuel system overcenter latch type couplings W901B, W904B, W901C, W904C, W901F, W904E and W904F located outside aircraft fuel tanks should be saftied with lockwire.

NOTE

This procedure is for overcenter latch type couplings W901B, W904B, W901C, W904C, W901F, W904E and W904F only. If any other couplings require lockwire, do grooved clamp coupling lockwire procedure per paragraph 22.

- a. Inspect all safetied couplings in area of maintenance for security per applicable substep below:
- (1) Replace both strands of lockwire if one or both are found broken.
- (2) Replace lockwired couplings with improved W901K, W0904K, 14J12 or 14C12 coupling, as applicable. Lockwire not required unless specified.
- b. Inspect and install coupling per paragraphs 6 and 7.









Corrosion Preventative Compound, MIL-C-85054, Type 1

c. Apply a brush coat of corrosion prevention compound to coupling.

NOTE

Safetying of coupling should be done with two pieces of lockwire long enough to encircle coupling and twist together.

- d. Position first piece of lockwire on one side of latch handle under buckle bail. If clearance does not allow the lockwire to slip between the coupling body and buckle bail, thread the lockwire under the buckle bail next to the latch handle.
- e. Tightly wrap lockwire around coupling crossing next to hinge on opposite side of coupling. Twist ends of lockwire together between latch handle and hinge, a minimum of nine twists.
- f. Repeat steps c and d with second piece of lockwire placing on opposite sides of latch handle and hinge as first piece of lockwire. Twist ends of lockwire together (nine twists minimum) in same location as first lockwire twists.
- g. Twist both lockwire twists together and fold under. Make sure lockwire is tight and will not slip off edge of coupling.
- h. After installing lockwire, apply a brush coat of corrosion preventative compound to coupling.

22. GROOVED CLAMP COUPLING LOCKWIRE PROCEDURE. (Figure 8). (QA)

Support Equipment Required

None

Materials Required

Specification or Part Number

Nomenclature

MS20995NC32 (CAGE 96906) Lockwire

Page 15

NOTE

This procedure is for all couplings where specified, except overcenter latch type (Wiggins) couplings W901B, W904B, W901C, W904C, W901F, W904E, and W904F. If lockwiring any of above couplings, do grooved clamp coupling - W901B, W904B, W901C, W904C, W901F, W904E and W904F - lockwire procedure per paragraph 21.

Safetying of coupling should be done with one piece of lockwire long enough to encircle coupling and twist together.

- a. On overcenter latch type (Wiggins) couplings, do substeps below:
- (1) Position lockwire on one side of latch handle under buckle bail. If clearance does not allow the lockwire to slip between the coupling body and buckle bail, thread the lockwire under the buckle bail next to the latch handle.
- (2) Tightly wrap lockwire around coupling crossing next to hinge on opposite side of coupling. Twist ends of lockwire together between latch handle and hinge, a minimum of nine twists.
- b. On pawl latch type (Hydraflow) couplings, do substeps below:
- (1) Position lockwire on one side of clamp hinge and tightly wrap around coupling, crossing lockwire next to pawl latch on same side of coupling.
- (2) Twist ends of lockwire together between pawl latch and clamp hinge, a minimum of nine twists.
- c. Verify lockwire is tight and will not slip off coupling.

23. FUSELAGE FUEL (2, 3, 4 AND VENT) TANKS BOLT SEALING - 161353 THRU 161987. (Figure 6.)

Support Equipment Required

None

Materials Required

Specification or Part Number	Nomenclature				
CCC-C-440, Type I, Class I (CAGE 81348)	Cheesecloth				
TT-I-735 (CAGE 81348)	Isopropyl Alcohol				
MIL-S-8802, Class A 1/2 (CAGE 81349)	Sealing Compound				









Isopropyl Alcohol, TT-I-735

4



All bolts which penetrate fuel tank through a cavity fitting should be sealed at bolt threads to prevent fuel leaks.

a. Clean bolt threads with cheesecloth moistened with isopropyl alcohol. Wipe with clean, dry cheesecloth before alcohol evaporates. Repeat procedure until no visible contamination remains.







Sealing Compound, MIL-S-8802, Class A 1/2

8



To prevent fuel leaks sealing compound should not contact fuel tank or cavity fitting packing sealing surfaces.

Sealing compound shall be lightly applied to threads of bolt to prevent filling fitting bolt hole full of sealing compound.

- b. Lightly coat threads of bolt with sealing compound, then install bolt.
- c. Remove excess sealing compound with cheesecloth moistened with isopropyl alcohol.

24. ALIGNMENT OF FUEL TUBES.

Support Equipment Required

None

Materials Required

Specification or Part Number	Nomenclature			
AN960JD10 or AN960JD10L	Washers (As Required)			
AN960JD416 or AN960JD416L	Washers (As Required)			



To prevent damage to tube assembly due to side loading, do not force tube assembly clamp installation.

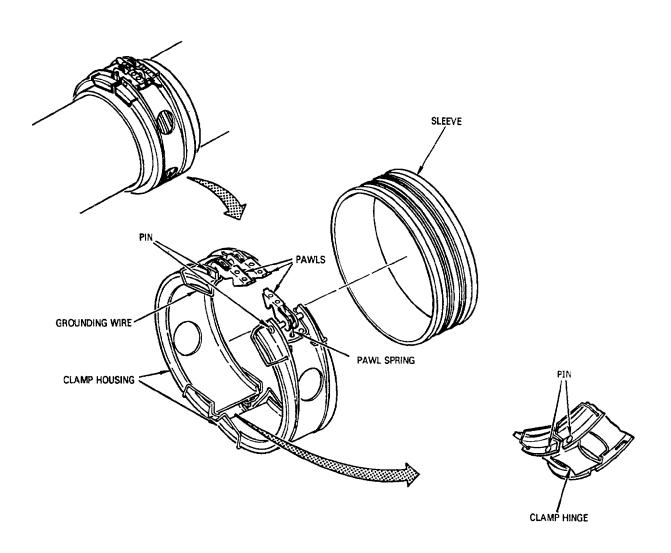
NOTE

Due to tolerance buildup of replacement tube assembly, it may be necessary to add AN960JD10, AN960JD10L, AN960JD416, or AN960JD416L washers, stack length not to exceed 1/4-inch, between clamp and mating structure. If washers are used, bolt length must be adjusted to meet grip length requirements (NAVAIR 01-1A-8).

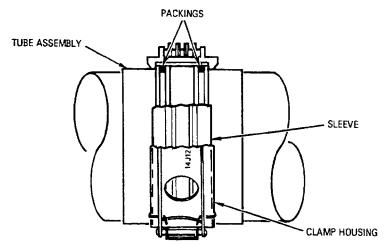
- a. If clamp installation requires washers (figure 7, dimension A), add washers and adjust bolt length as required and install clamps in sequence stated in step b. If washers are not required, go to step c.
- b. Install clamps on fuel tubes in the sequence stated below:
 - (1) Install center clamp A and attaching parts.
 - (2) Install clamps B and C and attaching parts.
- (3) If additional clamps are required to complete installation, install clamps D and E and attaching parts. Install clamps F and G and attaching parts.
- c. Torque end fittings as specified (NAVAIR 01-1A-20), or install couplings.

25. ILLUSTRATED PARTS BREAKDOWN.

26. This illustrated parts breakdown has data required for identifying and ordering parts. This manual has more information on IPB data.

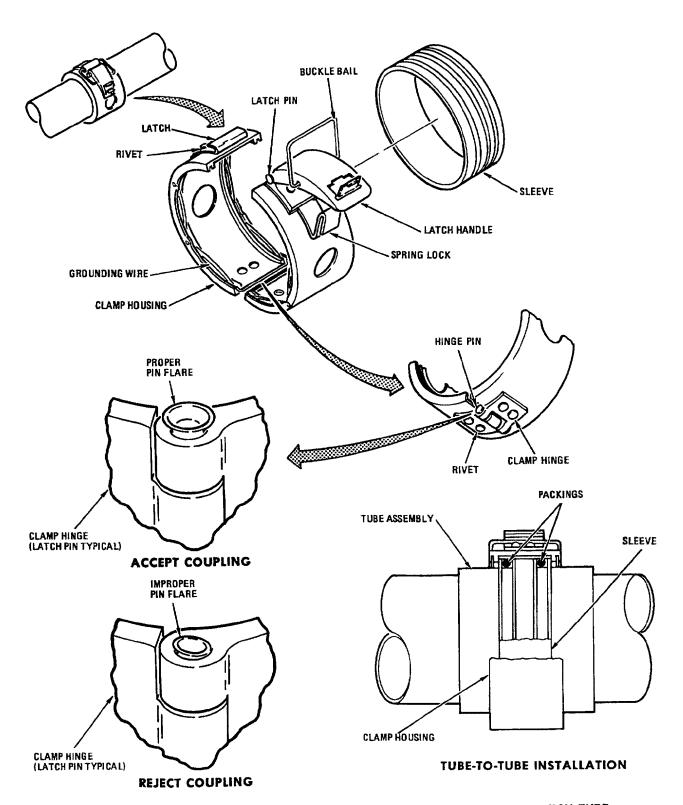


TYPICAL 14J12 GROOVED CLAMP FULL COUPLING PAWL LATCH TYPE



TYPICAL 14J12 GROOVED CLAMP FULL COUPLING TUBE-TO-TUBE INSTALLATION

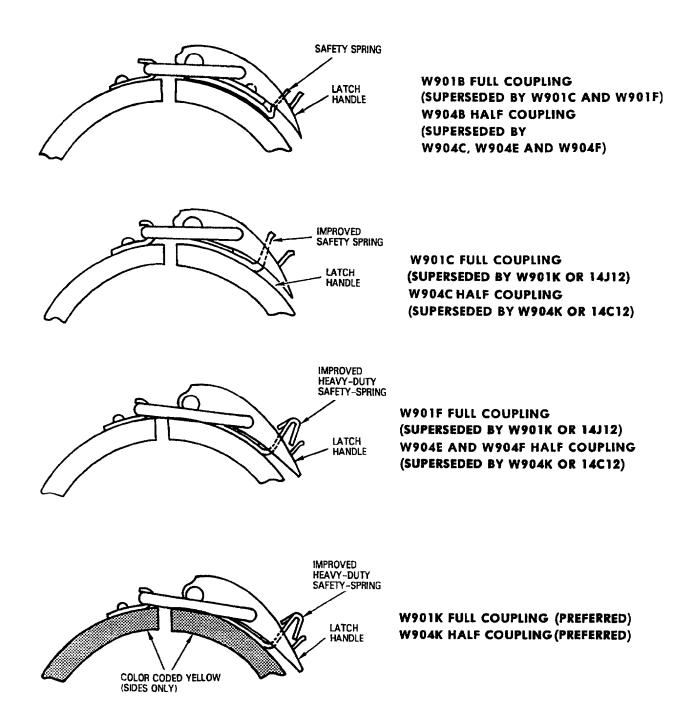
Figure 1. Fuel System Couplings and Bulkhead Connectors (Sheet 1)



TYPICAL W901 GROOVED CLAMP FULL COUPLING OVERCENTER LATCH TYPE

18AC-460-30-(22-2)13

Figure 1. Fuel System Couplings and Bulkhead Connectors (Sheet 2)



W901 AND W904 COUPLING CONFIGURATIONS OVERCENTER LATCH TYPE

18AC-460-30-(22-3)13

Figure 1. Fuel System Couplings and Bulkhead Connectors (Sheet 3)

LEGEND

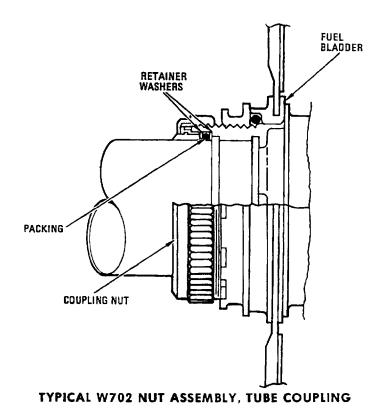
PREFERRED COUPLINGS

NUMBER (PAWL LATCH TYPE)	NUMBER (OVERCENTER LATCH TYPE)	FULL COUPLING	HALF COUPLING	CLAMP HOUSING COLOR			SLEEVE COLOR			SLEEVE PRELUBED
-	W901B	x		х	x		х	х		
-	W901B		X	х	х		NO SLEEVE			
-	W901C	х		х	х	х		х		х
	W904C		х	х	х		NO SLEEVE			
-	W901F	х		x	х	х		х		х
-	W904E		×		х				_	
-	W904F		х	×			NO SLEEVĒ			
14J12	W901K	×		х	х	х		х		х
14C12	W904K		×	х	х		i			

TYPICAL GROOVED CLAMP COUPLING CONFIGURATIONS

18AC-460-30-(22-4)A

Figure 1. Fuel System Couplings and Bulkhead Connectors (Sheet 4)



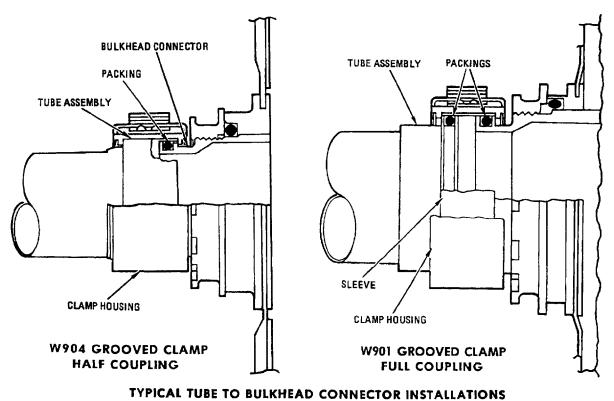
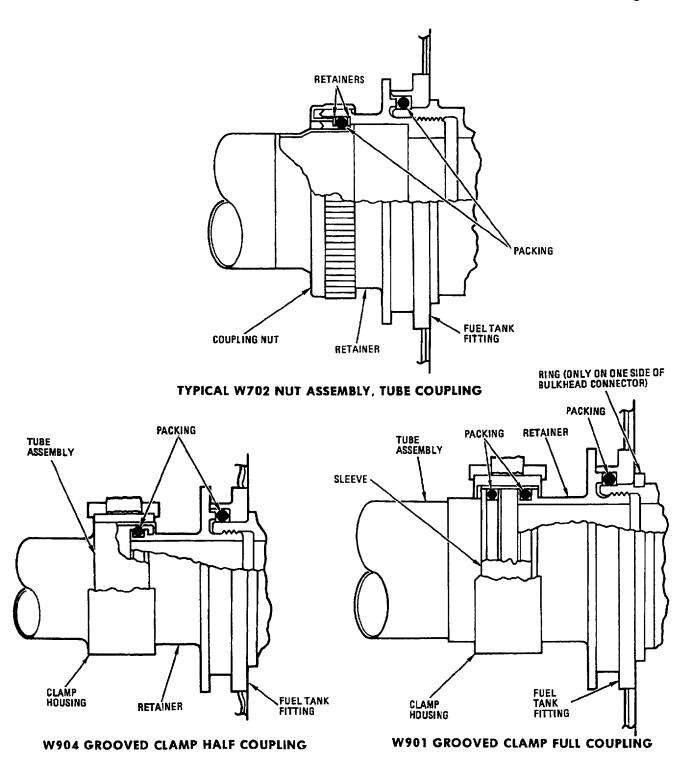


Figure 1. Fuel System Couplings and Bulkhead Connectors (Sheet 5)

PROTRUDING TYPE BULKHEAD CONNECTOR

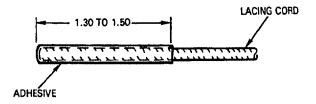


TYPICAL TUBE TO BULKHEAD CONNECTOR INSTALLATIONS NON-PROTRUDING TYPE BULKHEAD CONNECTOR

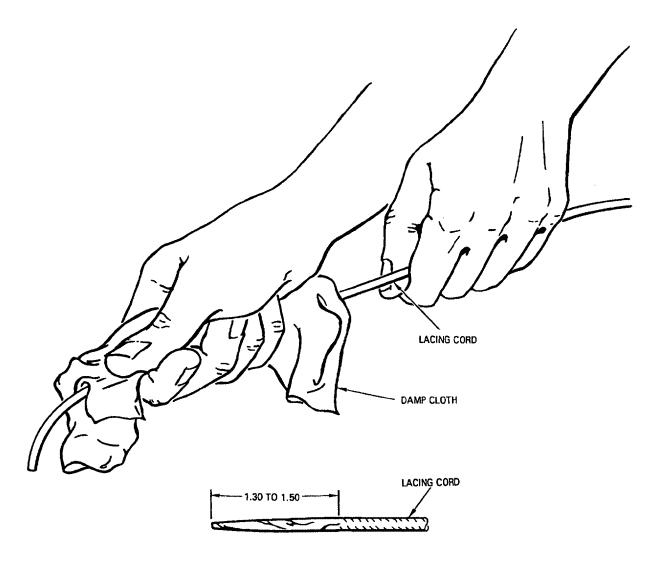
18AC-460-30-(22-6)13

Figure 1. Fuel System Couplings and Bulkhead Connector (Sheet 6)



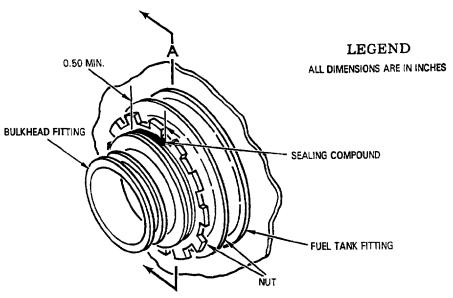


DIP SEAL LACING CORD END

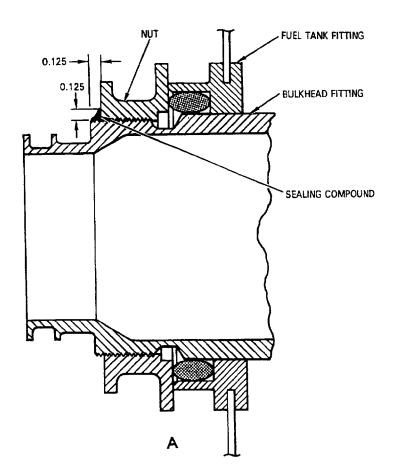


HEAT SEAL LACING CORD END

Figure 2. Seal Lacing Cord End

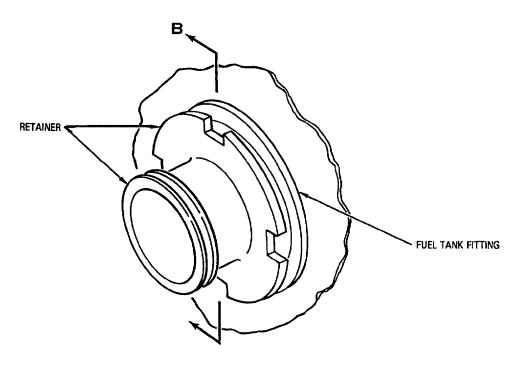


TYPICAL PROTRUDING BULKHEAD NUT INSTALLATION

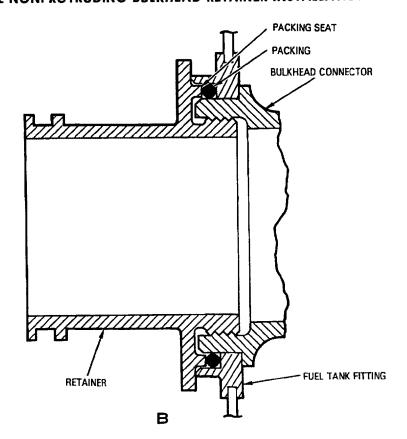


18AC-460-30-(24-1)

Figure 3. Bulkhead Nut/Retainer Installation and Torquing (Sheet 1)



TYPICAL NONPROTRUDING BULKHEAD RETAINER INSTALLATION



18AC-460-30-(24-2)A

Figure 3. Bulkhead Nut/Retainer Installation and Torquing (Sheet 2)

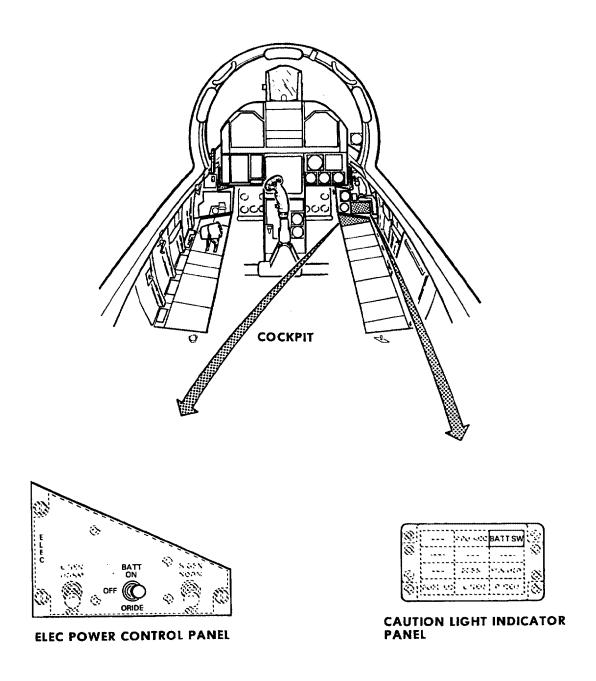


Figure 4. Battery Cable Disconnect (Sheet 1)

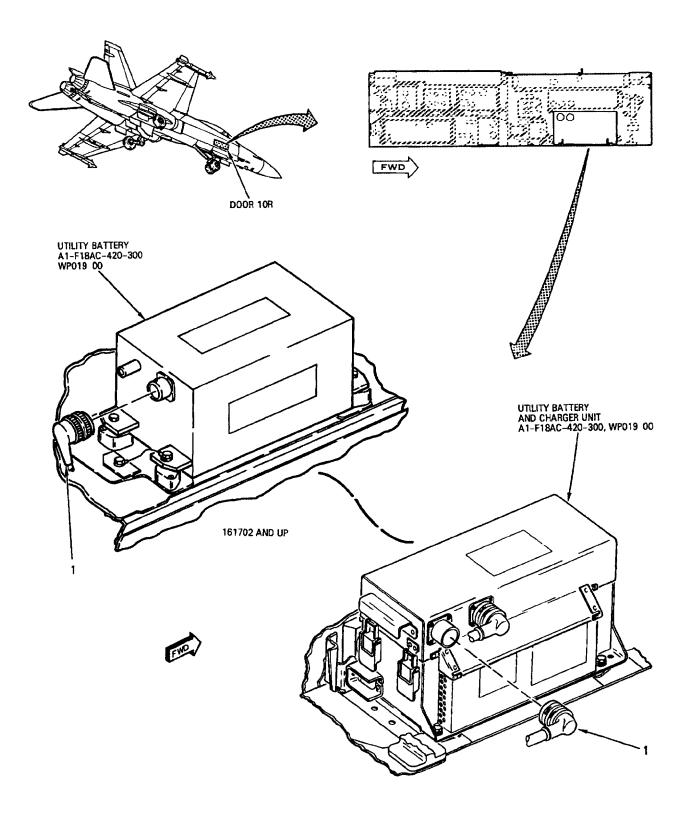


Figure 4. Battery Cable Disconnect (Sheet 2)

18AC-460-30-(25-2)

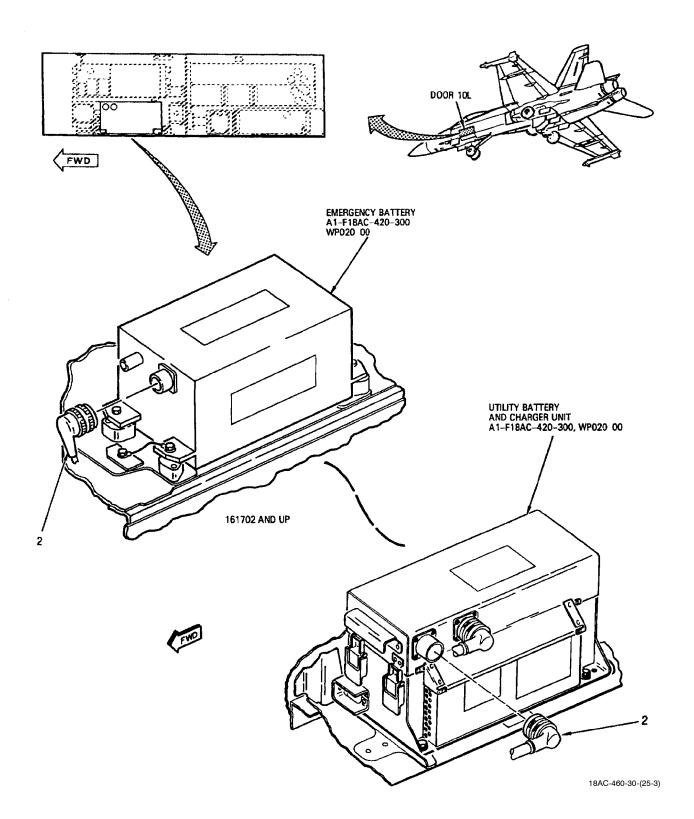
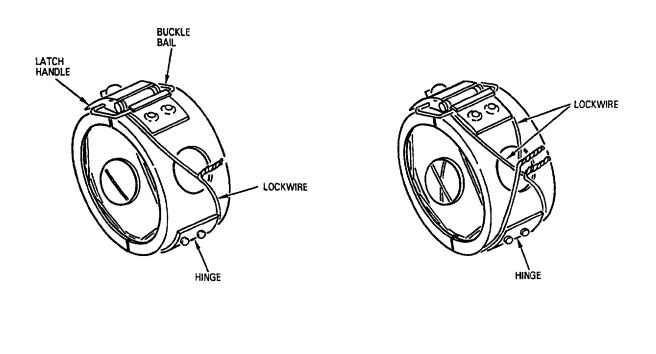


Figure 4. Battery Cable Disconnect (Sheet 3)

Page 29

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		BATTERY CABLE DISCONNECT			
1	MS27467T17B6P	. CONNECTOR, PLUG (1P-D035B OR 1P-D035)	1		PAOZZ
2	MS27467T17B6P	. CONNECTOR, PLUG (1P-C072B OR 1P-C072)	1		PAOZZ

18AC-460-30-(26)



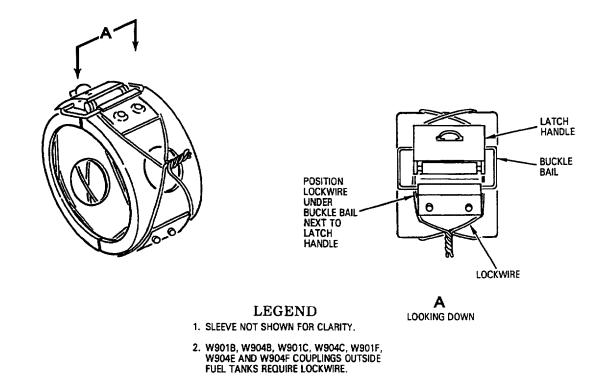
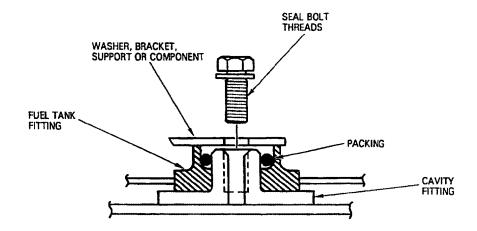
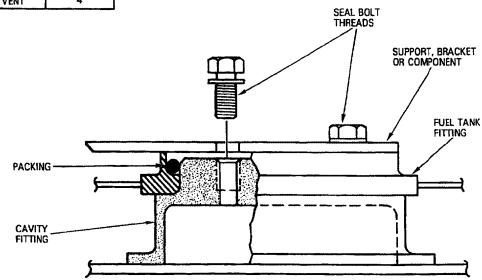


Figure 5. Groved Clamp Coupling - W901B, W904B, W901C, W904C, W901F, W904E and W904F - Lockwire Procedure



TANK	NO. BOLTS REQUIRING SEALING
1	0
2	17
3	15
4	68
VENT	4



FITTINGS TYPICAL THROUGHOUT FUEL TANKS (2, 3, 4 AND VENT TANK)

Figure 6. Fuel Tank Bolt Sealing - 161353 THRU 161987

18AC-460-30-(27)

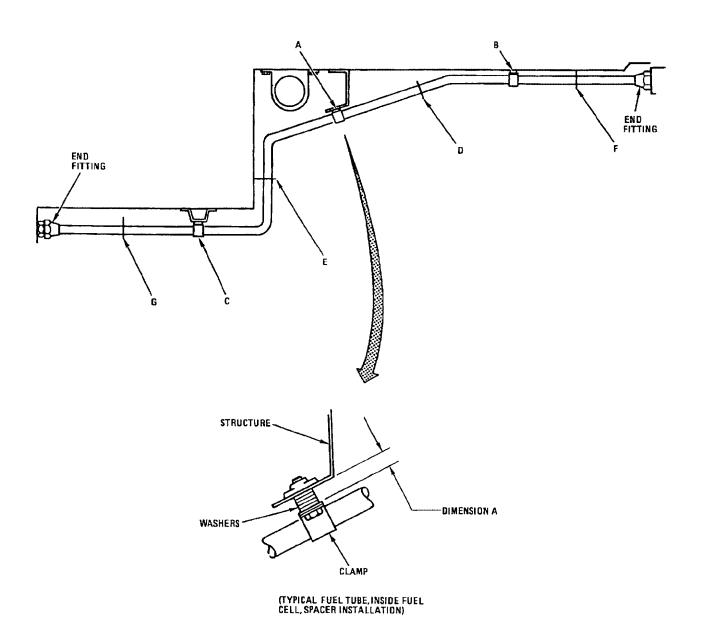
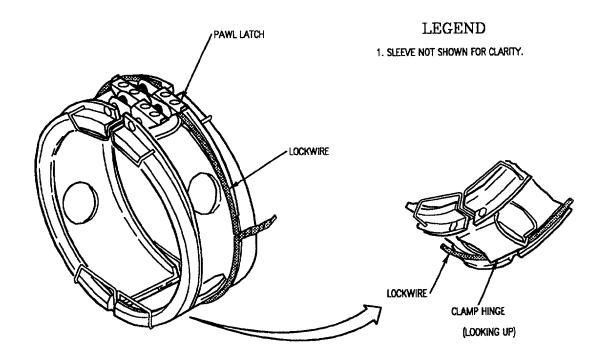
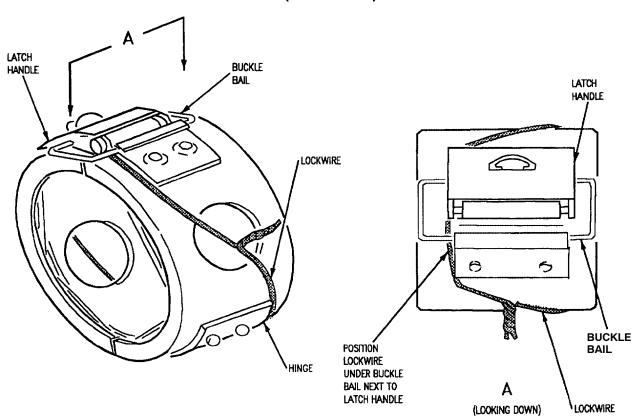


Figure 7. Alignment of Fuel Tubes



PAWL LATCH TYPE (HYDRAFLOW) COUPLING



OVERCENTER LATCH TYPE (WIGGINS) COUPLING

18AC-460-30-(93-1)18-CATI

Figure 8. Grooved Clamp Coupling Lockwire Procedure

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

FUSELAGE FUEL TANKS MOTIVE FLOW/TRANSFER TUBES COUPLING INSPECTION FUEL STORAGE SYSTEM

Reference Material

Fuel System	C-460-300
Fuel Tank Maintenance Precautions and General Preparation	WP013 00

Alphabetical Index

Subject	Page No
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection, Figure 1	3
Inspection	2
Materials Required	
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 IAFC 017 Part 1 and Part 2	19 Jul 84	Fuel System Tank No. 4 Fuel Transfer Manifold, Modification of (ECP MDA- F/A-18-00084R1)	1 Jun 84	-

Support Equipment Required

Part Number or Type Designation

Nomenclature

6230-00-270-5419

Electric General Purpose Explosion Proof Lantern

Material Required

None

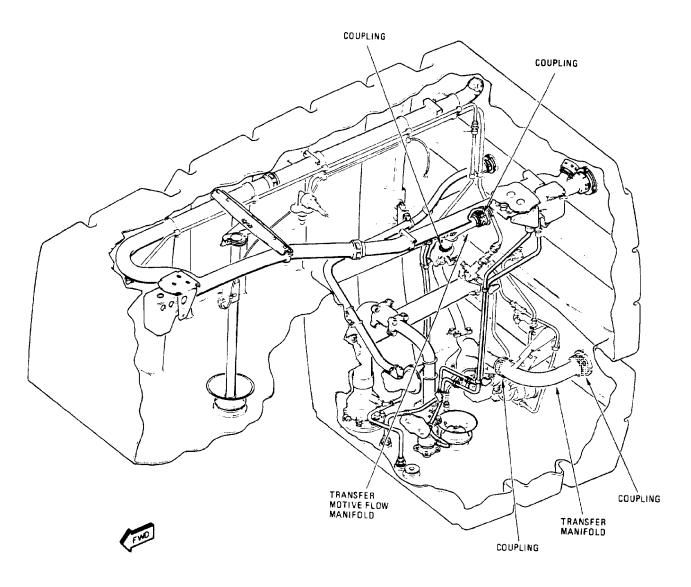
1. INSPECTION.

WARNING

To prevent rapid depletion of fuel from aircraft feed tanks (tanks 2 or 3) with large quantities of fuel remaining in the transfer tanks (tanks 1 or 4), and loss of cooling fuel flow to AMAD's and accessories, make sure couplings identified in figure 1 are inspected for correct installation any time tank 1, 2, 3 or 4 is entered for maintenance.

Make sure only W901K, W904K, 14J12 and 14C12 couplings are installed.

a. Inspect couplings identified in figure 1 of tank 1, 2, 3 or 4 any time a tank is entered for maintenance, and make sure sleeve and clamp housing are correctly installed and clamp housing is latched per WP013 00. (QA)



NO. 1 FUEL TANK

18AC-460-30-(81-1)

Figure 1. Fuselage Fuel Tanks Motive Flow/Transfer Tubes
Coupling Inspection (Sheet 1)

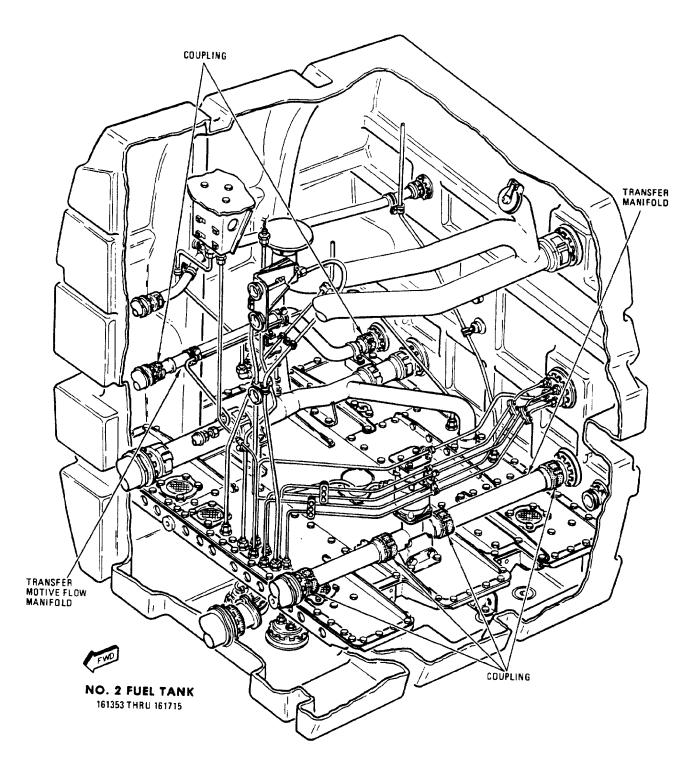


Figure 1. Fuselage Fuel Tanks Motive Flow/Transfer Tubes
Coupling Inspection (Sheet 2)

18AC-460-30-(81-2)

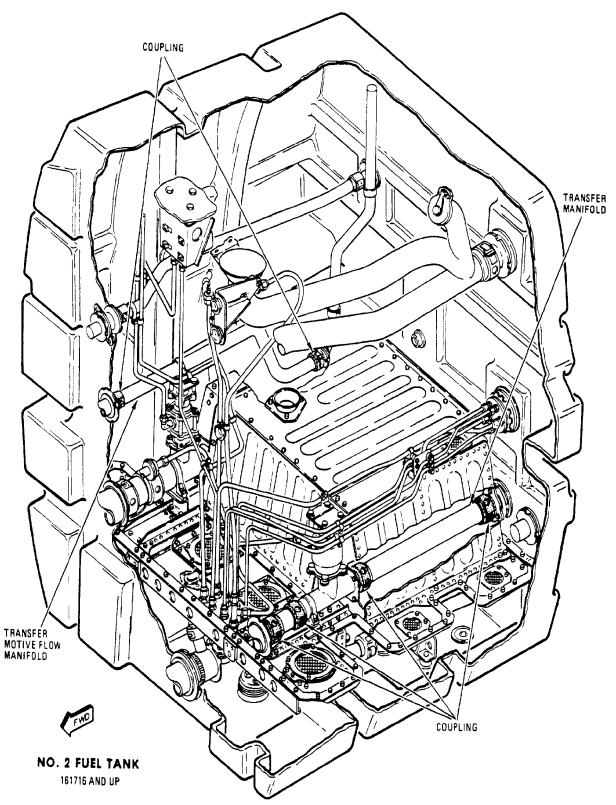


Figure 1. Fuselage Fuel Tanks Motive Flow/Transfer Tubes
Coupling Inspection (Sheet 3)

18AC-460-30-(81-3)

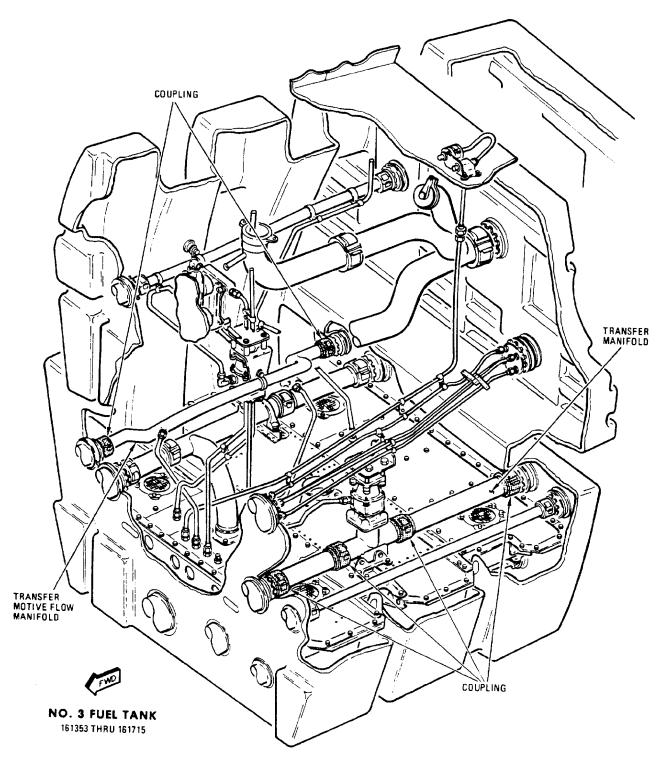
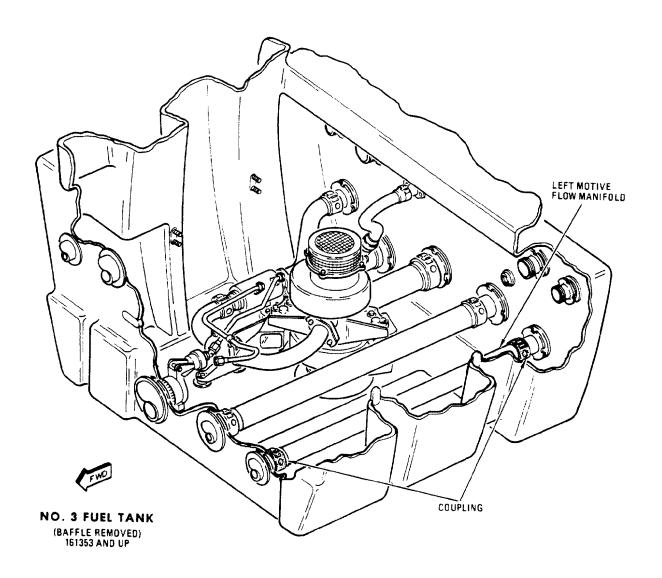


Figure 1. Fuselage Fuel Tanks Motive Flow/Transfer Tubes
Coupling Inspection (Sheet 4)

18AC-460-30-(81-4)





18AC-460-30-(81-5)

Figure 1. Fuselage Fuel Tanks Motive Flow/Transfer Tubes
Coupling Inspection (Sheet 5)

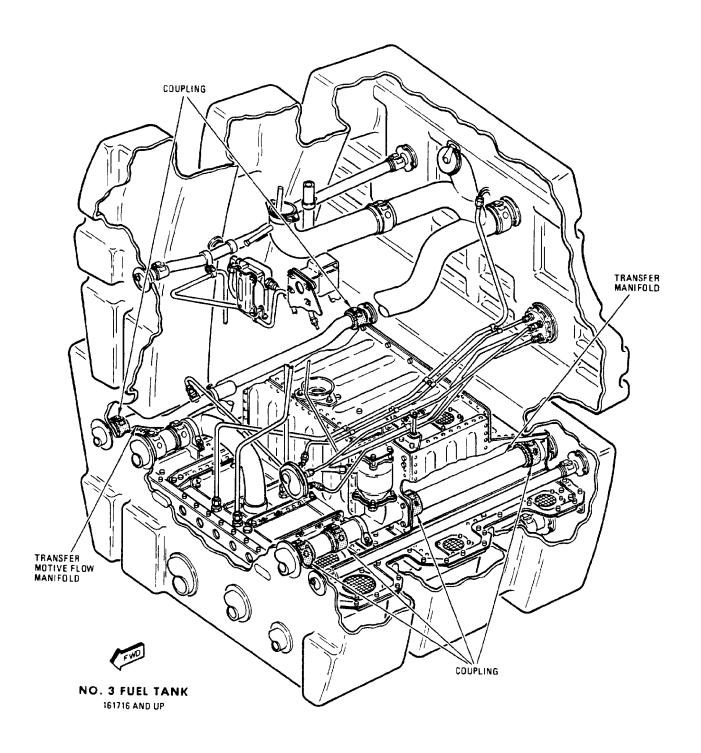


Figure 1. Fuselage Fuel Tanks Motive Flow/Transfer Tubes
Coupling Inspection (Sheet 6)

18AC-460-30-(81-6)

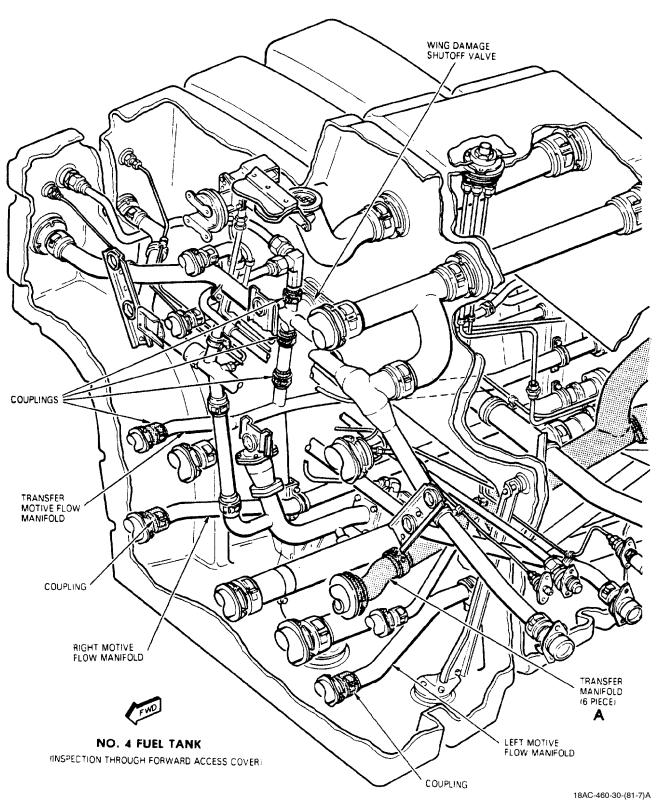


Figure 1. Fuselage Fuel Tanks Motive Flow/Transfer Tubes
Coupling Inspection (Sheet 7)

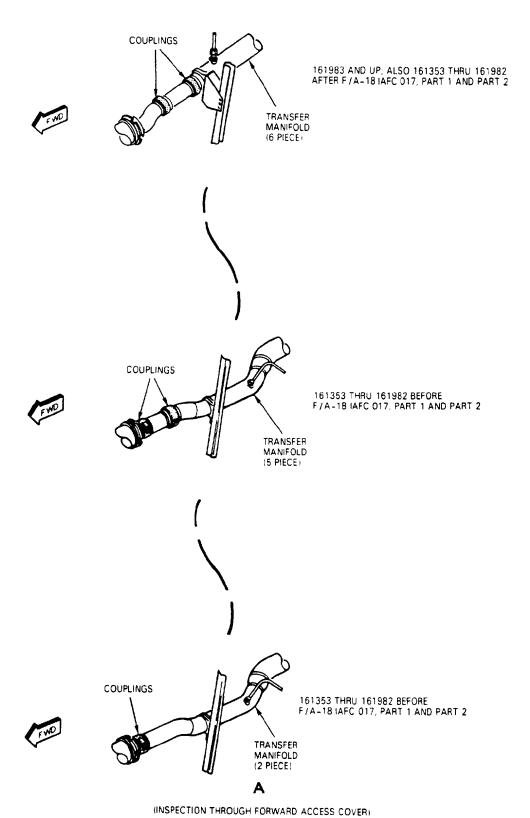


Figure 1. Fuselage Fuel Tanks Motive Flow/Transfer Tubes
Coupling Inspection (Sheet 8)

18AC-460-30-(81-8)13

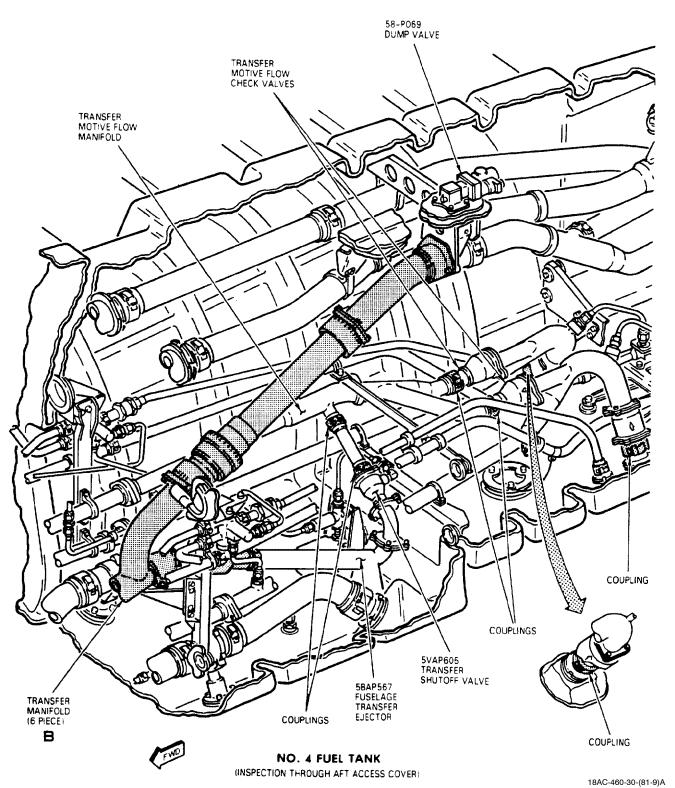


Figure 1. Fuselage Fuel Tanks Motive Flow/Transfer Tubes
Coupling Inspection (Sheet 9)

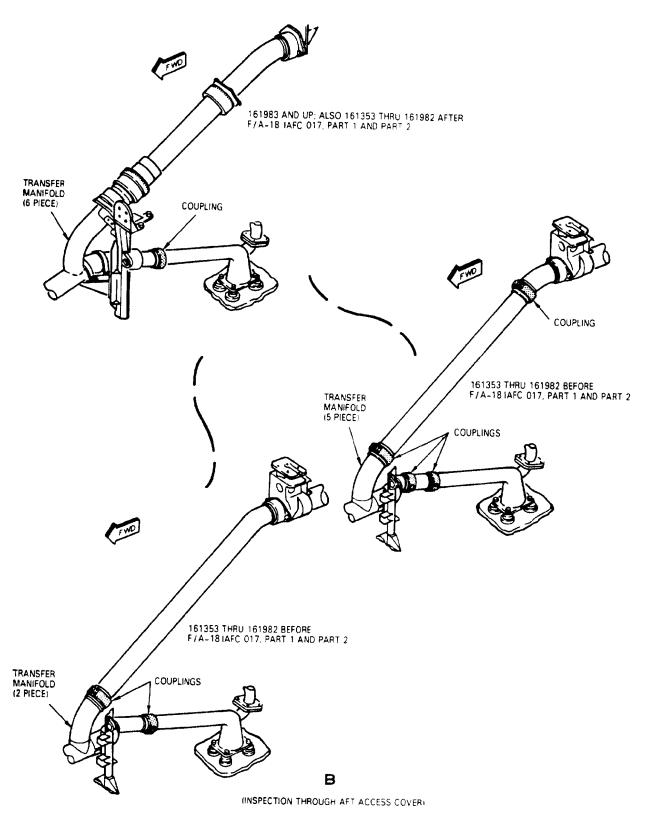


Figure 1. Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection (Sheet 10)

18AC-460-30-(81-10)13

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

PROTRUDING TYPE BULKHEAD CONNECTOR REPLACEMENT

FUEL STORAGE SYSTEM

EFFECTIVITY: 161353 THRU 161715

Reference Material

None

Alphabetical Index

Subject	Page No.
List of Applicable Work Packages, Table 2	6
No. 3 Fuel Tank To No. 4 Fuel Tank RH Engine Feed Line Bulkhead Connector	
Replacement Parts 161353 THRU 16715 AFTER F/A-18 AFC 18, Figure 2	10
Ordering and Replacing Bulkhead Connectors	2
Protruding/Non-protruding Bulkhead Connector Arrangement, Figure 1	7
Replacement Parts for Protruding Bulkhead Assemblies. Table 1	3

Record of Applicable Technical Directives

Type/ Number	Date	Date Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/Sealing of Raised Baffle in Fuel Tanks 2 and (ECP MDA-F/A-18-00077C1/C2)	15 Jul 86	-

Page 2

Support Equipment Required

None

Materials Required

None

1. ORDERING AND REPLACING BULK-HEAD CONNECTORS.

- a. Protruding type bulkhead connectors are replaced by non-protruding type bulkhead connectors.
- b. Protruding type bulkhead connectors that are installed in bulkheads between tanks are held in place with spacers on bulkheads. After tank is installed, nuts

are attached to each end of connector (figure 1, details A thru D). All four parts must be replaced if bulkhead connector is damaged.

- c. Protruding type bulkhead connectors (or tubes, or adapters) that are installed in tank 4 floor or fuel barrier beam do not use spacers and have only one nut per location. Both parts must be replaced if bulkhead connector is replaced, (figure 1, details E and F).
- d. Non-protruding type bulkhead connector must be ordered with appropriate ring and retainer(s), (Table 1).
- e. When a part in Table 1 column one must be replaced, all parts must be replaced by all parts in column three. When ordering new parts, obtain proper dash number from applicable WP in Table 2.

 Table 1. Replacement Parts for Protruding Bulkhead Assemblies

	G BULKHEAD MBLIES	ASSEMBLIES	DING BULKHEAD REPLACEMENT RTS
PART NO	NOMENCLATURE	PART NO	NOMENCLATURE
74A586201 TK2 LS580176 to 74A586370 TK3	BLKHD CONNECTOR NUT SPACER	74A585707 74A585738 (TK2) 74A585741 (TK3) D-RST275CD-M9	BLKHD CONNECTOR RETAINER RETAINER RING
74A586201 TK3 to TK4 LS580176 BEFORE 74A586370 F/A-18 AFC 018	BLKHD CONNECTOR NUT SPACER	74A585715 74A585741 (TK3) 74A585738 (TK4) D-RST287CD-M9	BLKHD CONNECTOR RETAINER RETAINER RING
74A586201 TK3 to TK4 LS580176 AFTER 74A586370 F/A-18 AFC 018 (SEE FIGURE 2)	BLKHD CONNECTOR NUT SPACER	74A587114 74A587116 (TK3, TK4) D-RST287CD-M9 MS29513-335 W901K40DE 74A587119 MS29513-230 (4 REQ) W901K40CE 74A587121	BLKH CONNECTOR RETAINER 1 RING PACKING COUPLING TUBE PACKING COUPLING TUBE TUBE
74A586209	BLKHD CONNECTOR	74A585701	BLKHD CONNECTOR RETAINER 1
LS580174	NUT	74A585730	
74A586231	SPACER	D-RST306CD-M9	
74A586210	BLKHD CONNECTOR	74A585708	BLKHD CONNECTOR RETAINER 1
LS580174	NUT	74A585730	
74A586238	SPACER	D-RST306CD-M9	
74A586211	BLKHD CONNECTOR	74A585702	BLKHD CONNECTOR RETAINER T
LS580177	NUT	74A585731	
74A586236	SPACER	D-RST334CD-M9	
74A586212	BLKHD CONNECTOR	74A585709	BLKHD CONNECTOR RETAINER TO RING
LS580177	NUT	74A585731	
74A586288	SPACER	D-RST334CD-M9	
74A586213	BLKHD CONNECTOR	74A585701	BLKHD CONNECTOR RETAINER 1
LS580174	NUT	74A585730	
74A586226	SPACER	D-RST306CD-M9	
74A586214	BLKHD CONNECTOR	74A585710	BLKHD CONNECTOR RETAINER T
LS580173	NUT	74A585733	
74A586232	SPACER	D-RST255CD-M9	
74A586215	BLKHD CONNECTOR	74A585703	BLKHD CONNECTOR RETAINER 1
LS580173	NUT	74A585733	
74A586227	SPACER	D-RST206CD-M9	

Table 1. Replacement Parts for Protruding Bulkhead Assemblies (Continued)

PROTRUDING BULKHEAD ASSEMBLIES		NON PROTRUDING BULKHEAD ASSEMBLIES REPLACEMENT PARTS	
PART NO	NOMENCLATURE	PART NO	NOMENCLATURE
74A586217	BLKHD CONNECTOR	74A585711	BLKHD CONNECTOR RETAINER T
LS580172	NUT	74A585739	
74A586234	SPACER	D-RST181CD-M9	
74A586218	BLKHD CONNECTOR	74A585704	BLKHD CONNECTOR RETAINER T
LS580171	NUT	74A585734	
74A586228	SPACER	D-RST181CD-M9	
74A586219	BLKHD CONNECTOR	74A585713	BLKHD CONNECTOR RETAINER 1
LS580171	NUT	74A585734	
74A586235	SPACER	D-RST181CD-M9	
74A586220	BLKHD CONNECTOR	74A585705	BLKHD CONNECTOR RETAINER T
LS580178	NUT	74A585735	
74A586229	SPACER	D-RST156CD-M9	
74A586221	BLKHD CONNECTOR	74A585728	BLKHD CONNECTOR RETAINER T
LS580178	NUT	74A585735	
74A586233	SPACER	D-RST156CD-M9	
74A586223	BLKHD CONNECTOR	74A585706	BLKHD CONNECTOR RETAINER T
74A586450	NUT	74A585736	
74A586230	SPACER	74A586230	
74A586347	BLKHD CONNECTOR	74A585717	BLKHD CONNECTOR RETAINER T
LS580177	NUT	74A585731	
74A586369	SPACER	D-RST334CD-M9	
74A586348	BLKHD CONNECTOR	74A585718	BLKHD CONNECTOR RETAINER T
LS580174	NUT	74A585730	
74A586355	SPACER	D-RST306CD-M9	
74A586350	BLKHD CONNECTOR	74A585720	BLKHD CONNECTOR RETAINER T
LS580173	NUT	74A585733	
74A586356	SPACER	D-RST225CD-M9	
74A586351	BLKHD CONNECTOR	74A585721	BLKHD CONNECTOR RETAINER T
LS580172	NUT	74A585739	
74A586357	SPACER	D-RST206CD-M9	
74A586352	BLKHD CONNECTOR	74A585722	BLKHD CONNECTOR RETAINER T
LS580171	NUT	74A585734	
74A586358	SPACER	D-RST181CD-M9	
74A586353 LS580178 74A586359	BLKHD CONNECTOR NUT SPACER	74A585723 74A585735 D-RST156CD-M9 74A586429	BLKHD CONNECTOR RETAINER 1 RING SPACER

Table 1. Replacement Parts for Protruding Bulkhead Assemblies (Continued)

	DING BULKHEAD SEMBLIES	NON PROTRUDING BULKHEAD ASSEMBLIES REPLACEMENT PARTS	
PART NO	NOMENCLATURE	PART NO	NOMENCLATURE
74A586408	BLKHD CONNECTOR	74A585752	TUBE CONNECTOR
74A586450	NUT	74A585759	RETAINER
74A586410	BLKHD CONNECTOR	74A585749	BLKHD CONNECTOR RETAINER T
LS580171	NUT	74A585734	
74A586420	SPACER	D-RST181CD-M9	
74A586411	BLKHD CONNECTOR	74A585753	TUBE CONNECTOR
LS580172	NUT	74A585739	RETAINER
74A586412	BLKHD CONNECTOR	74A585754	BLKHD CONNECTOR
LS580171	NUT	74A585734	RETAINER
74A586413	BLKHD CONNECTOR	74A585755	TUBE CONNECTOR
LS580173	NUT	74A585733	RETAINER
74A586415	TUBE CONNECTOR	74A585757	TUBE CONNECTOR
74A586450	NUT	74A585760	RETAINER
74A586416	TUBE CONNECTOR	74A585758	TUBE CONNECTOR
74A586460	NUT	74A585761	RETAINER
74A586417	TUBE ADAPTER	74A585725	TUBE ADAPTER
74A586450	NUT	74A585748	RETAINER
74A586418	TUBE CONNECTOR	74A585726	TUBE CONNECTOR
74A586173	NUT	74A585733	RETAINER
74A586419	TUBE ADAPTER	74A585727	TUBE ADAPTER
LS580174	NUT	74A585730	RETAINER
74A586421 LS580175 74A586424	BLKHD CONNECTOR NUT SPACER	74A585745 74A585747	BLKHD CONNECTOR RETAINER
74A586422 LS580173 74A586425	BLKHD CONNECTOR NUT SPACER	74A585746 74A585733	BLKHD CONNECTOR RETAINER
74A586423 LS580178 74A586426 OR 74A586359	BLKHD CONNECTOR NUT SPACER SPACER	74A585724 74A585735 RST156CD-M9	BLKHD CONNECTOR RETAINER T
74A586441	TUBE CONNECTOR	74A585706	TUBE CONNECTOR
74A586450	NUT	74A585736	RETAINER
1 Two Required	LE	GEND	· · · · · · · · · · · · · · · · · · ·

Table 2. List of Applicable Work Packages

TANK	WP TITLE	WP NO.
1	Removal - No. 1 Fuel Tank - F/A-18A (Index) Installation - No. 1 Fuel Tank - F/A-18A (Index) IPB - No. 1 Fuel Tank - F/A-18A (Index) No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports	010 00 011 00 012 00 040 00
1	Removal - No. 1 Fuel Tank - F/A-18B (Index) Installation - No. 1 Fuel Tank - F/A-18B (Index) IPB - No. 1 Fuel Tank - F/A-18B (Index) No. 1 Fuel Tank Cavity Bulkhead Fittings and Supports	014 00 015 00 016 00 040 00
2	Removal (Index) Installation (Index) IPB (Index) No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports	018 00 019 00 020 00 041 00
3	Removal (Index) Installation (Index) IPB (Index) No. 3 Fuel Tank Cavity Bulkhead Fittings and Supports	022 00 023 00 024 00 042 00
4	Removal - No. 4 Fuel Tank Installation - No. 4 Fuel Tank IPB - No. 4 Fuel Tank No. 4 Fuel Tank No. 4 Fuel Tank Cavity Bulkhead Fittings And Supports	026 00 027 00 028 00 043 00
VENT	Removal - Vent Tank Installation - Vent Tank IPB - Vent Tank Vent Tank Cavity Bulkhead Fittings and Supports	031 00 032 00 033 00 044 00

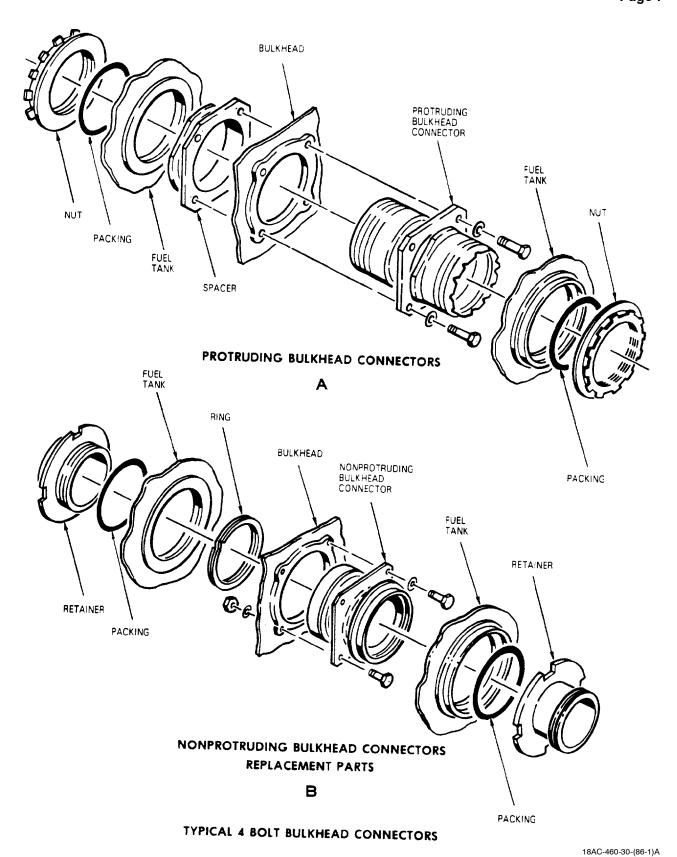


Figure 1. Protruding/Nonprotruding Bulkhead Connector Arrangement (Sheet 1)

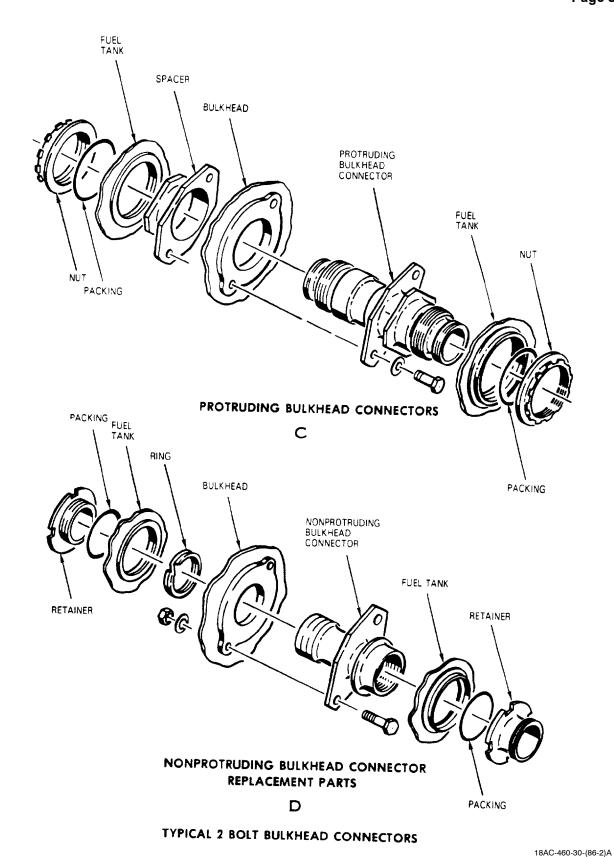
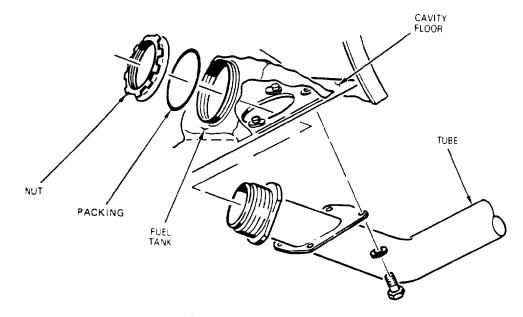
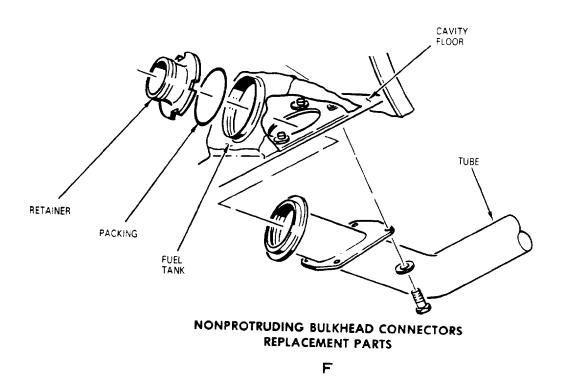


Figure 1. Protruding/Nonprotruding Bulkhead Connector Arrangement (Sheet 2)



PROTRUDING BULKHEAD CONNECTOR

E



TANK NO. 4 FLOOR ENGINE TUBE (BULKHEAD CONNECTOR)

18AC-460-30-(86-3)

Figure 1. Protruding/Nonprotruding Bulkhead Connector Arrangement (Sheet 3)

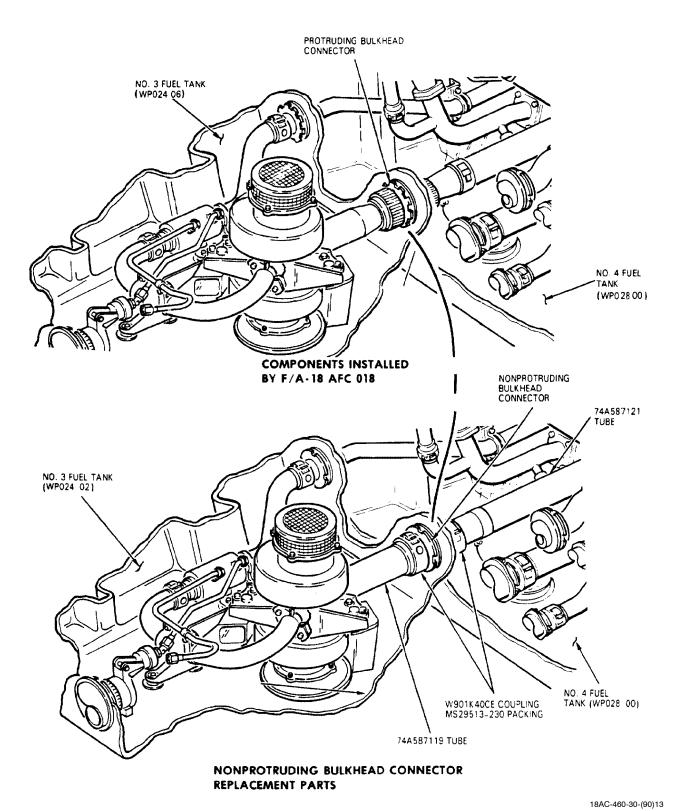


Figure 2. No. 3 Fuel Tank To No. 4 Fuel Tank RH Engine Feed Line Bulkhead Connector Replacement Parts 161353 THRU 161715 AFTER F/A-18 AFC 018

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ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

REMOVAL - NO. 1 FUEL TANK (5CAP508)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18B

Title	WP Number
Removal - No. 1 Fuel Tank - 161354 THRU 161360 BEFORE F/A-18 AFC 39, F/A-18 AFC 53,	
AND F/A-18 IAFC 115	014 01
Removal - No. 1 Fuel Tank - 161704 AND UP; ALSO 161354 THRU 161360 AFTER F/A-18 AFC 39,	
F/A-18 AFC 53, AND F/A-18 IAFC 115	014 02

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ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REMOVAL - NO. 1 FUEL TANK (5CAC611)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18B 161354 THRU 161360 BEFORE F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115

Reference Material

Fuel System	A1-F18AC-460-300
Ground Support Equipment	WP009 01
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
IPB - No 1 Fuel Tank F/A-18B	WP016 00
No 1 Fuel Tank Inspection and Folding	WP017 00
No 1 Fuel Tank Cavity Foam/Honeycomb Filler	WP017 02
Fuel Tank Cavity Repair	WP038 00
Repair - Bulkhead Connector Retainers	WP038 01
Fuel Tank Cavity Preparation	WP039 00

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General	
Materials Required	2
Removal	3
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings With Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
57A43	Electrical General Purpose Explosion Proof Lantern
74D460102-1001	Fuel Tank Bulkhead Nuts Adapter Set
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set

Materials Required

Specification or Part Number	Nomenclature
474 (CAGE 26066)	Tape, Pressure Sensitive
MIL-B-131, Class 1, (CAGE 81349)	Barrier Material (Heavy Paper or Canvas)

1. GENERAL.

NOTE

For Complete parts list, see no. 1 fuel tank IPB (WP016 00).

a. Remove parts as an assembly as shown on illustration.

b. When removing an assembly, secure attaching parts to assembly in cloth bag.

NOTE

Tagging assemblies with index numbers circled on artwork of procedure will aid in installation.

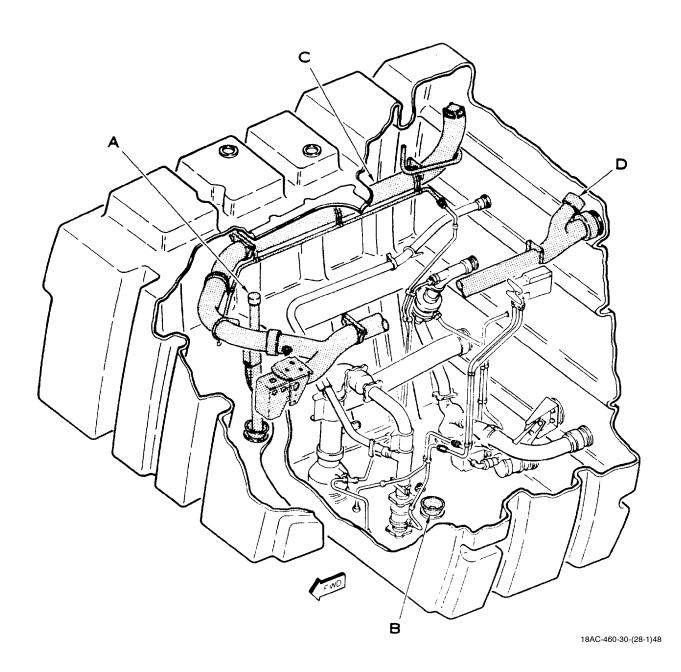
- c. Tag assembly with index number that has been circled on artwork of procedure.
 - d. Keep parts grouped in containers after removal.
- e. Do a general preparation for removal (WP013 00).

WARNING

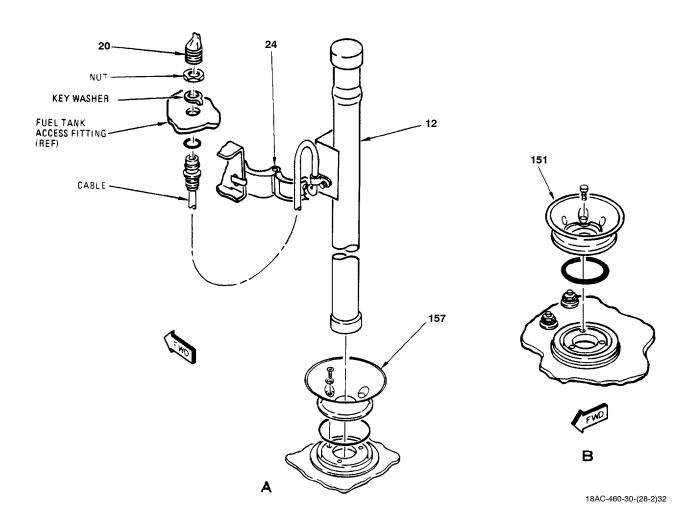
To prevent injury to personnel, trapped fuel remaining in fuel tank components should not be allowed to spill inside fuel tank during removal. Unavoidable fuel spills should be mopped up and removed immediately.

f. Catch any trapped fuel remaining in fuel tank components with an approved safety container, as required, during removal. Mop up and remove any fuel spills inside tank immediately.

- 2. **REMOVAL**.
- 3. **SEQUENCE 1**.

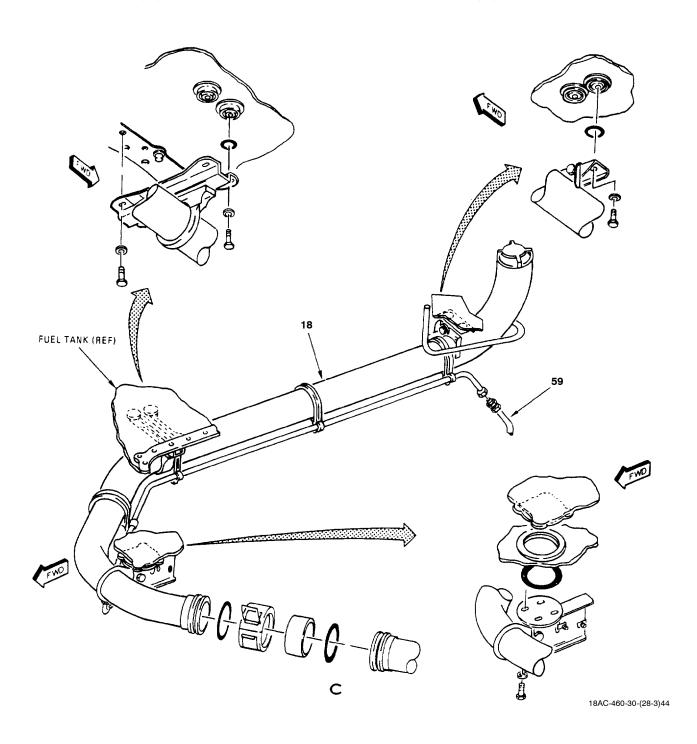


- a. Disconnect connector (20) and remove lockwire, keywasher and nut.
 - b. Open clamp (24) and remove transmitter (12).
- c. Remove cases (151 and 157) and attaching parts $\,$

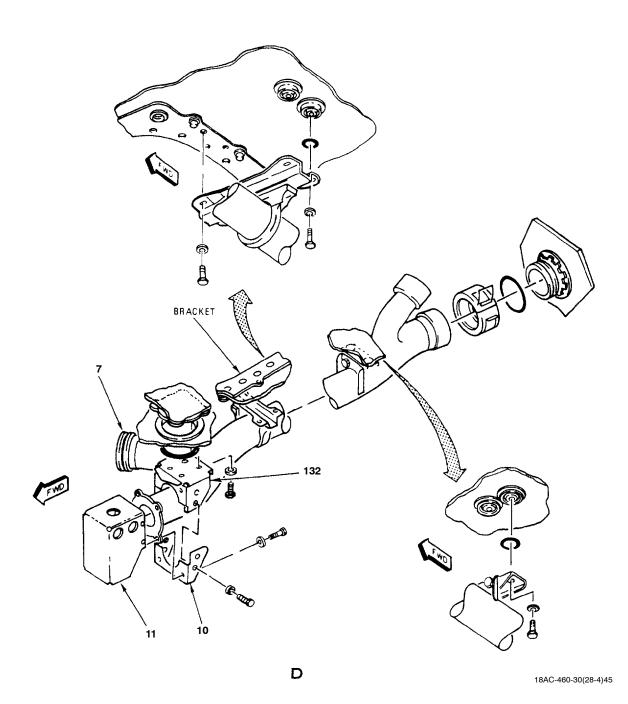


d. Disconnect tube (59).

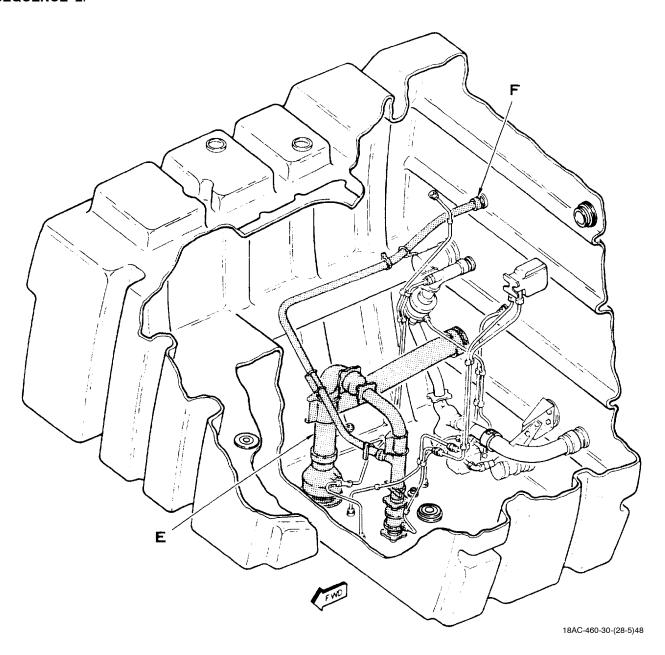
e. Remove tube (18) and related parts.



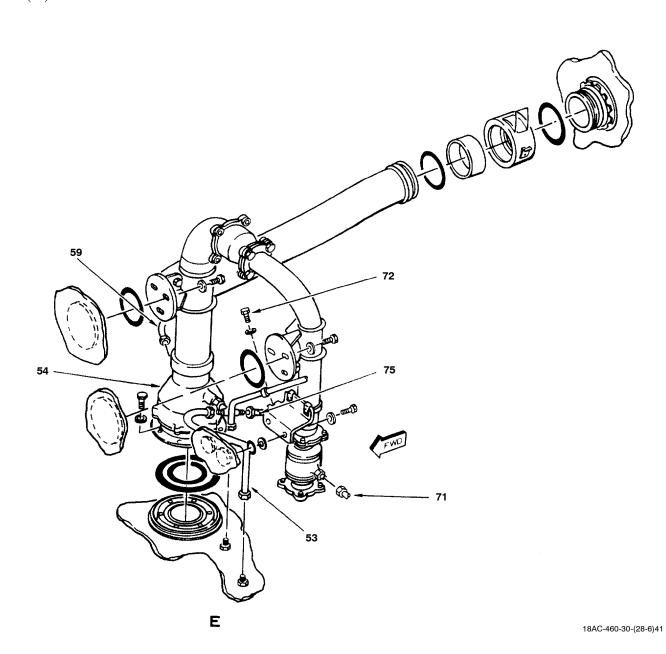
- f. Remove valve (11), channel (10), bracket (132), and attaching parts $\,$
 - g. Remove tube (7) and related parts.



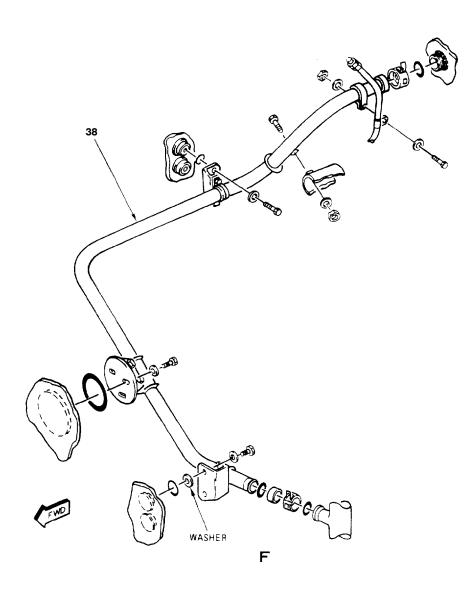
4. SEQUENCE 2.



- a. Remove bolt (72) and washer.
- b. Disconnect tubes (59, 71 and 75) and remove tube (53).
- c. Remove valve (54) and related parts.

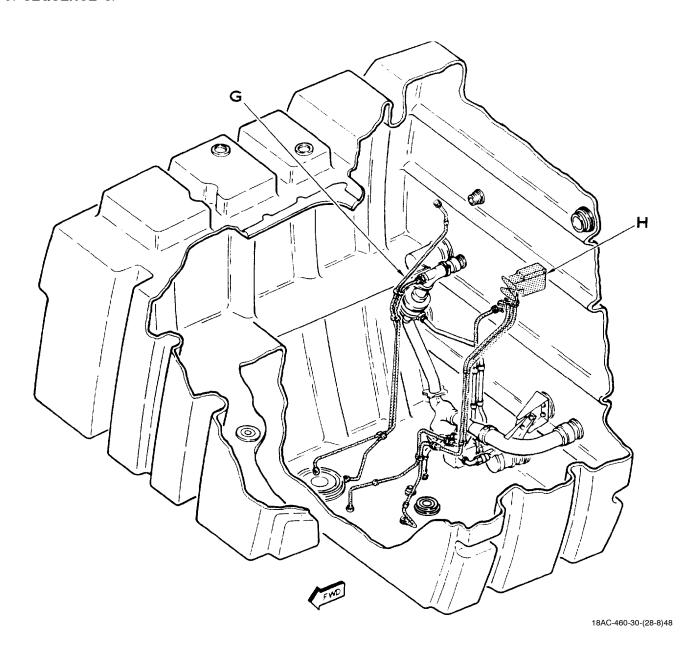


d. Remove tube (38) and related parts.

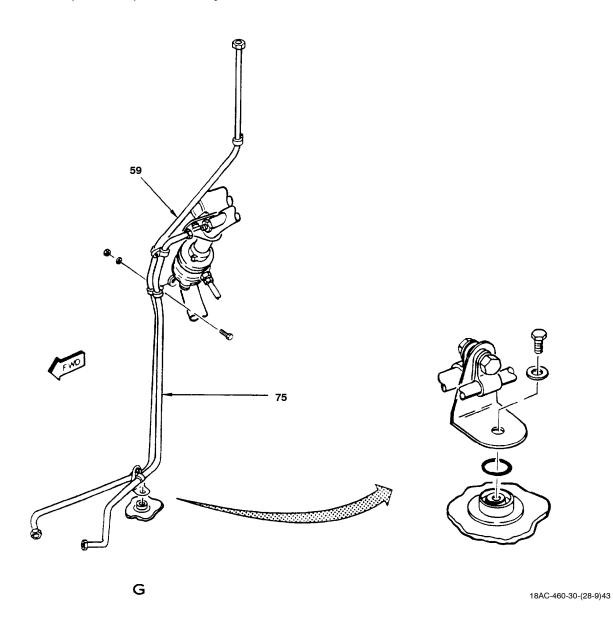


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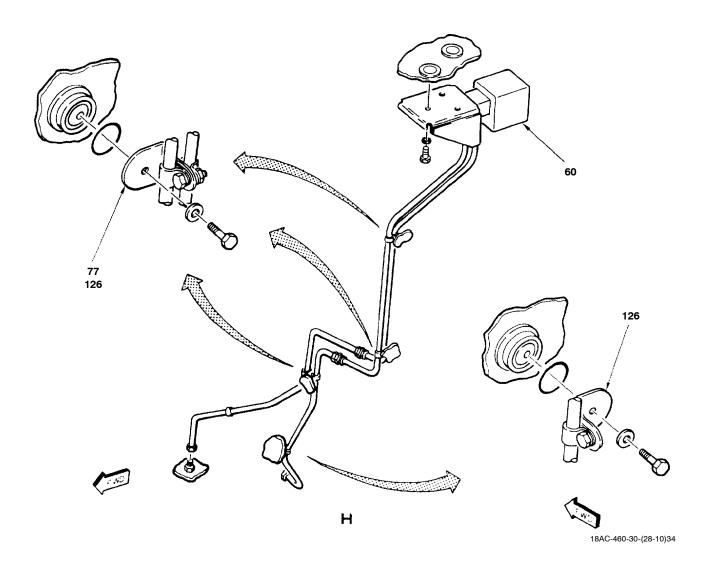
5. **SEQUENCE 3**.



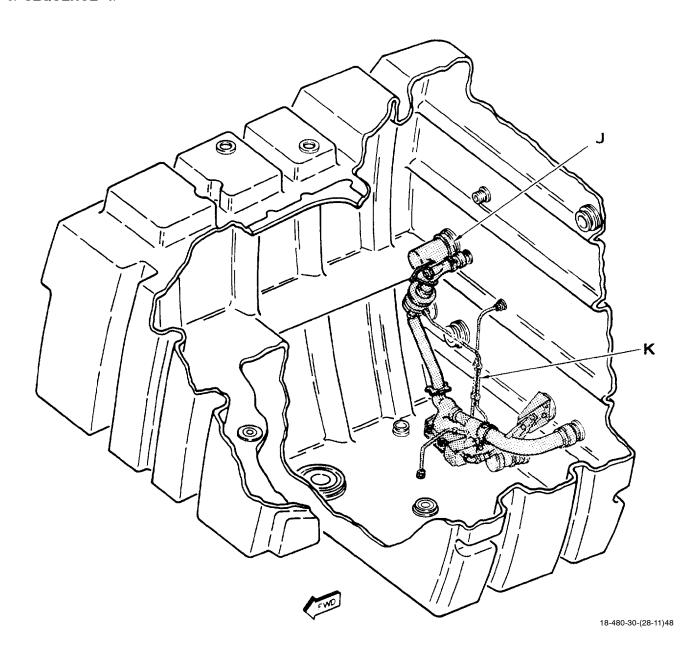
a. Remove tubes (59 and 75) and related parts.



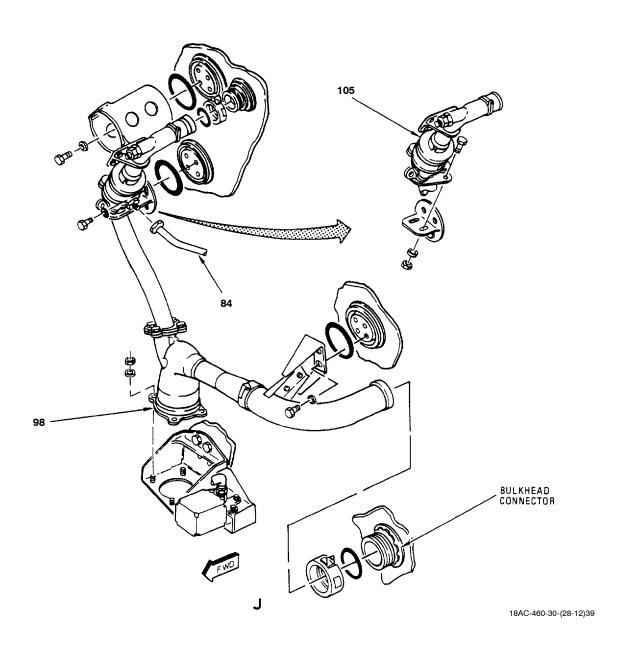
b. Disconnect brackets (77 and 126) and remove valve (60) with related parts.



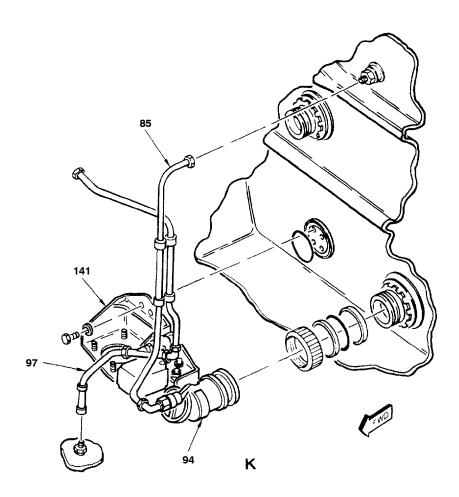
6. SEQUENCE 4.



- a. Disconnect tube (84).
- b. Remove ejector (98), valve (105) and related parts.

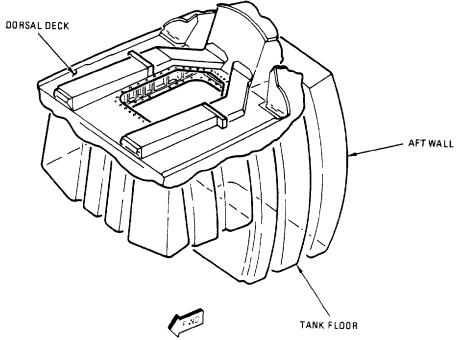


c. Disconnect tubes (85 and 97) and valve (94) and remove support (141) with related parts.



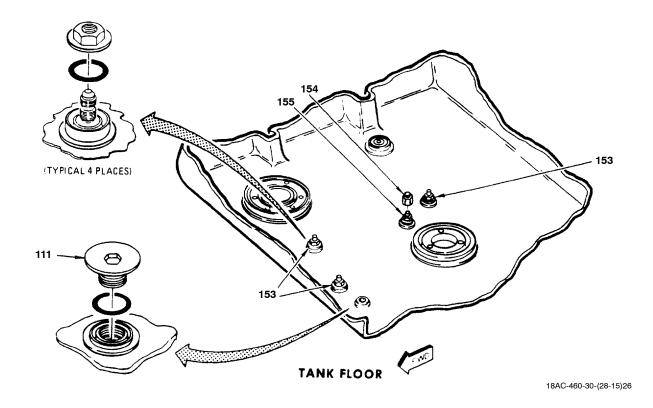
18AC-460-30-(28-13)31

7. SEQUENCE 5.



18AC-460-30-(28-14)24

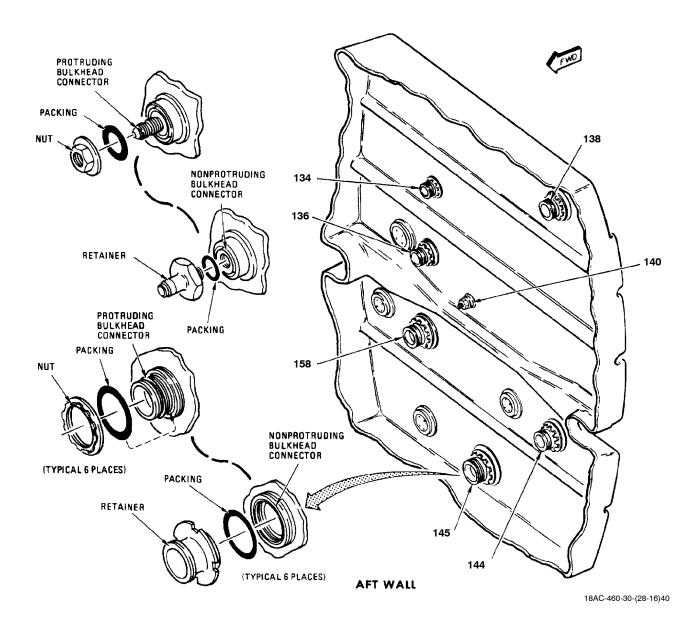
a. Remove adapter (111), cap (154) and nuts (153 and 155).



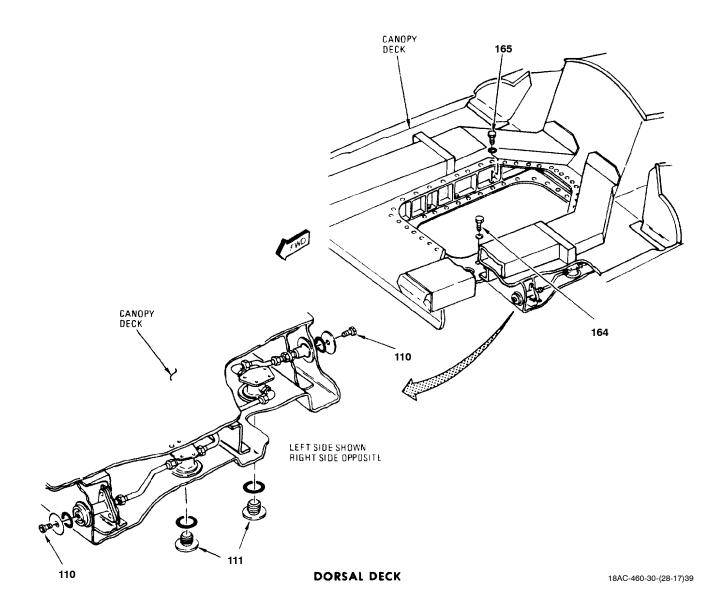
NOTE

High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers.

b. Remove nuts or retainers (134, 136, 138, 140, 144, 145 and 158).



c. Remove bolts (110, 164, and 165) and adapters (111).



8. SEQUENCE 6.

a. Apply pressure sensitive tape to threads of all protruding type bulkhead fittings.

CAUTION

To prevent damage to fuel tank, be careful when cutting lacing cords. Also be careful when lowering tank from bulkhead fittings.

- b. Do substeps below until all lacing cords are cut and tank is off all fittings on walls:
- (1) Carefully cut lacing cords that are easiest to get.

CAUTION

To avoid damage to fuel tank fittings, do not use pliers when removing tank from bulkhead fittings.

- (2) With hands between tank and structure (as near as possible to fitting), slide tank off all bulkhead fittings. Use fuel cell removal/installation tool set (WP009 01), if required. Position barrier material between tank fitting and bulkhead fitting.
 - c. Remove protective pads from tank.
- d. Fold and remove fuel tank (WP017 00) Make sure tank is off all bulkhead fittings.
- e. Remove all cut lacing, pressure sensitive tape, used packings, parts and foreign material from tank cavity.

9. CAVITY INSPECTION. (QA)



Failure to do the steps below may result in damage to fuel tank.

a. Inspect for and clean (WP039 00) all fittings of:

- (1) dirt
- (2) paint
- (3) grease
- (4) corrosion
- (5) foreign material that would prevent a correct seal
- b. Inspect for and repair/replace fittings (WP038 00) and, if applicable, retainers (WP038 01) with:
 - (1) cracks
 - (2) scratches
 - (3) nicks
 - (4) distortion
 - (5) damaged threads
- (6) damage that would cause mismatching, or prevent a correct seal
- c. Inspect for and replace (WP017 02) all foam/honeycomb that is:
 - (1) loose
 - (2) damaged
- (3) fuel soaked (Fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00.)
 - (4) missing
- d. Inspect for and replace (WP039 00) all pressure sensitive tape that is:
 - (1) damaged
 - (2) loose
 - (3) missing

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014 01

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- e. Inspect complete cavity for:
- (1) burrs, sharp edges or protrusions that would chafe tank
 - (2) loose, damaged or missing lacing clips

- (3) cleanliness
- (4) corrosion

3

2

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ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REMOVAL - NO. 1 FUEL TANK (5CAC611)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18B 161704 AND UP; ALSO 161354 THRU 161360 AFTER F/A-18 AFC 39, F/A-18 AFC 53 AND F/A-18 IAFC 115

Reference Material

General Wiring Repair Procedures	AC-WRM-000	
Fuel System	8AC-460-300	
Ground Support Equipment		
Fuel Tank Maintenance Precautions and General Preparation		
IPB - No 1 Fuel Tank F/A-18B		
No. 1 Fuel Tank Inspection and Folding		
No. 1 Fuel Tank Cavity Foam/Honeycomb Filler		
Fuel Tank Cavity Repair		
Repair - Bulkhead Connector Retainers		
Fuel Tank Cavity Preparation	WP039 00	
Alphabetical Index		
Subject	Page No.	
Cavity Inspection	. 24	
General		

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings With Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve and Raised Invered Baffle (ECP MDA-F/A-18-00055C1)	15 Oct 86	-
F/A-18 AFC 39	-	No. 1 Fuel Tank Interconnect Valve Replacement and Fuel Sequencing Modification (ECP MDA-F/A-18-00072C1)	15 Oct 86	-
F/A-18 IAFC115	-	Y383 Bulkhead Fatigue Improvements (ECP MDA-F/A-18-00266)	1 Oct 88	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
57A43	Electrical General Purpose Explosion Proof Lantern
74D460102-1001	Fuel Tank Bulkhead Nuts Adapter Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set

Materials Required

Specification or Part Number	Nomenclature
474 (CAGE 26066)	Tape, Pressure Sensitive
MIL-B-131, Class 1 (CAGE 81349)	Barrier Material (Heavy Paper or Canvas)
MIL-T-43435 TYPE-2 SIZE 3 FINISH-C (CAGE 81349)	Tape, Lacing
1. GENERAL.	

NOTE

For complete parts list, see no. 1 fuel tank IPB (WP016 00).

- a. Remove parts as an assembly as shown on illustration.
- b. When removing an assembly, secure attaching parts to assembly in cloth bag.

NOTE

Tagging assemblies with index numbers circled on artwork of procedure will aid in installation.

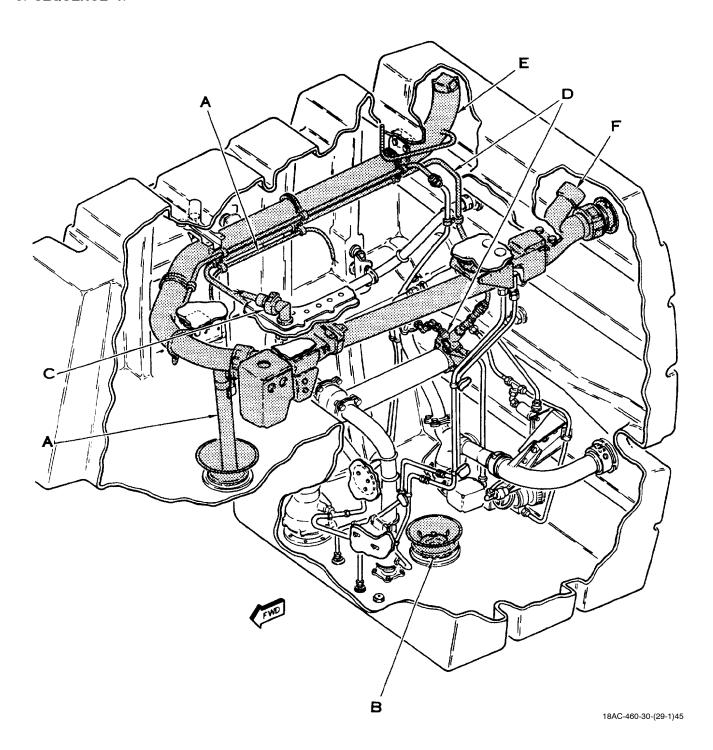
- c. Tag assembly with index number that has been circled on artwork of procedure.
 - d. Keep parts grouped in containers after removal.
- e. Do a general preparation for removal (WP013 00).

WARNING

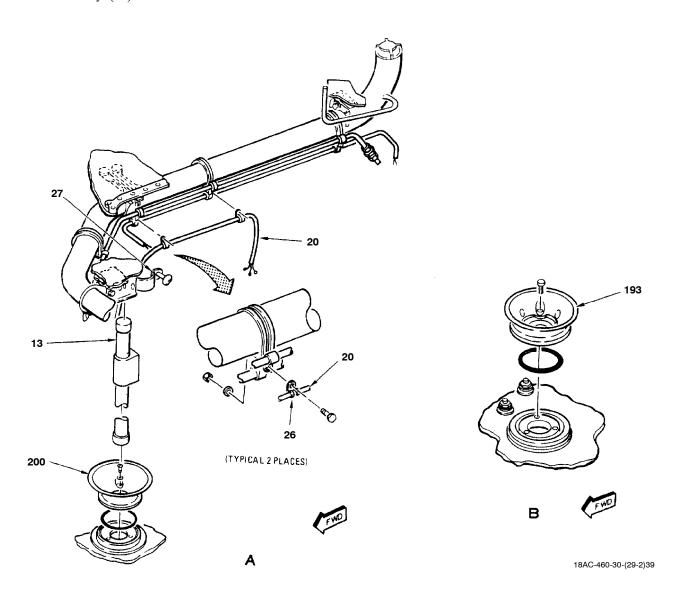
To prevent injury to personnel, trapped fuel remaining in fuel tank components should not be allowed to spill inside fuel tank during removal. Unavoidable fuel spills should be mopped up and removed immediately.

- f. Catch any trapped fuel remaining in fuel tank components with an approved safety container, as required, during removal. Mop up and remove any fuel spills inside tank immediately.
- g. High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers from non-protruding type bulkhead connectors.

- 2. **REMOVAL**.
- 3. **SEQUENCE 1**.



- a. Disconnect clamp (26).
- b. Open clamp (25) and remove transmitter (13) with cable assembly (20).
- c. Remove cases (193 and 200) and attaching parts.



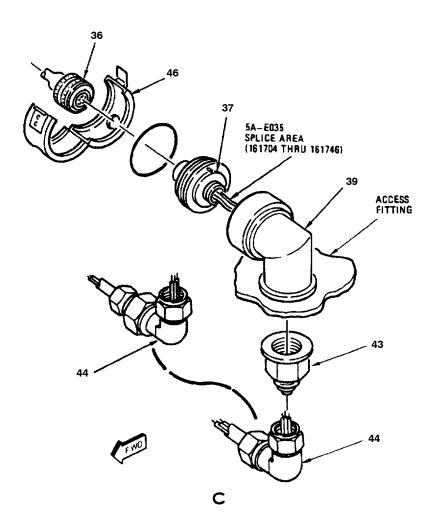
- d. Disconnect connector (36).
- e. Remove coupling (46) and receptacle (37) assembly, then disconnect receptacle wires at 5A-E035 splice area (161704 THRU 161746) or receptacle, as applicable (A1-F18AC-WRM-000).



To prevent damage to wires, carefully slide wires through related components.

To prevent damage to the alignment key on elbow (39), do not allow elbow (39) to rotate when removing nut (43).

- f. Disconnect elbow (44) and remove adapter nut (43). Do not remove elbow (39) at this time.
 - g. Attach 6 foot lacing tape to wires.

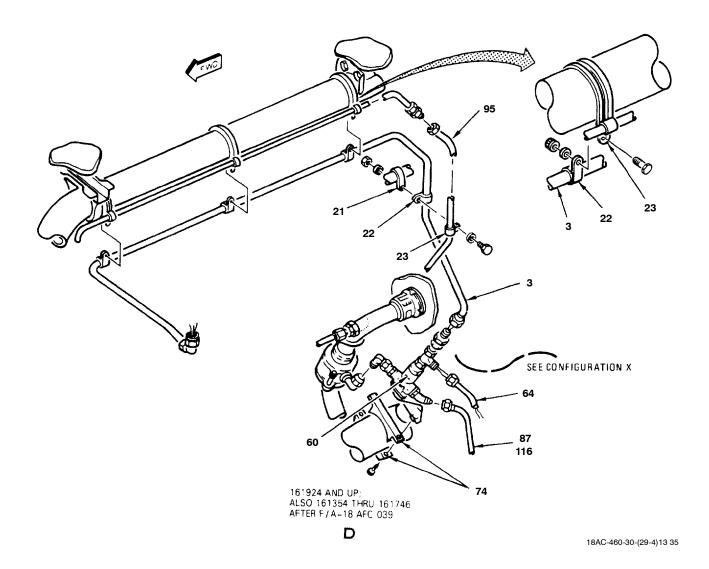


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h. On 161924 AND UP, ALSO 161354 THRU 161746 AFTER F/A-18 AFC 39, do substeps below:

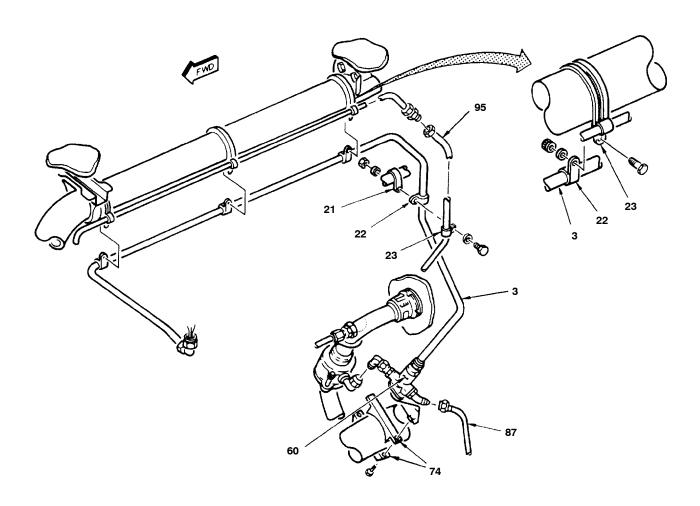
- (1) Disconnect or remove clamps (21, 22, 23 and 74).
 - (2) Disconnect tube (95).

- (3) Remove tube (3). Carefully pull wires through tube (3), then untie lacing tape and secure to tube (3).
- (4) Disconnect tubes (64 and 116 or 87) and remove valve (60). Carefully separate wires from tube (64) and valve (60) so valve (60) can be removed.



- i. On 161704 THRU 161746 BEFORE F/A-18 AFC 39, do substeps below:
 - (1) Disconnect clamps (21, 22, 23 and 74).

- (2) Disconnect tube (95).
- (3) Disconnect tube (87) and valve (60) then carefully remove tube (3) from tank.

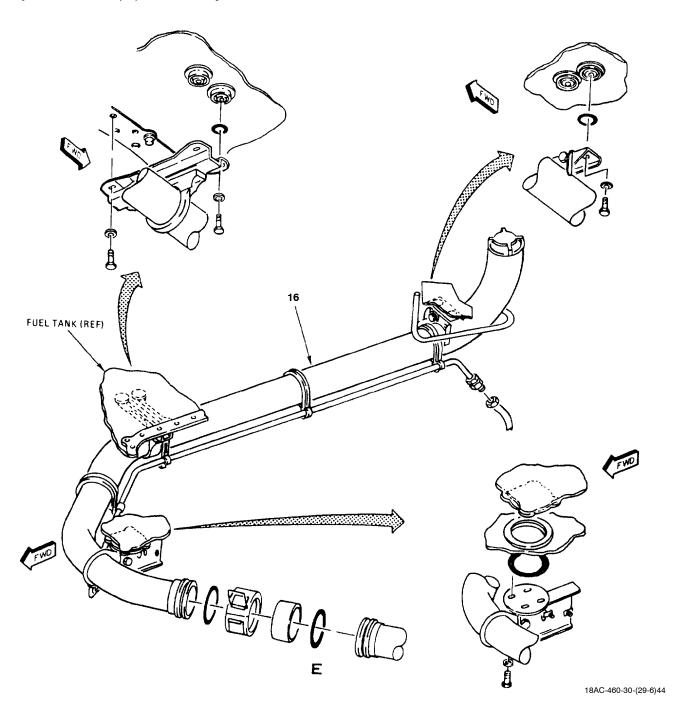


161704 THRU 161746 BEFORE F/A-18 AFC 039

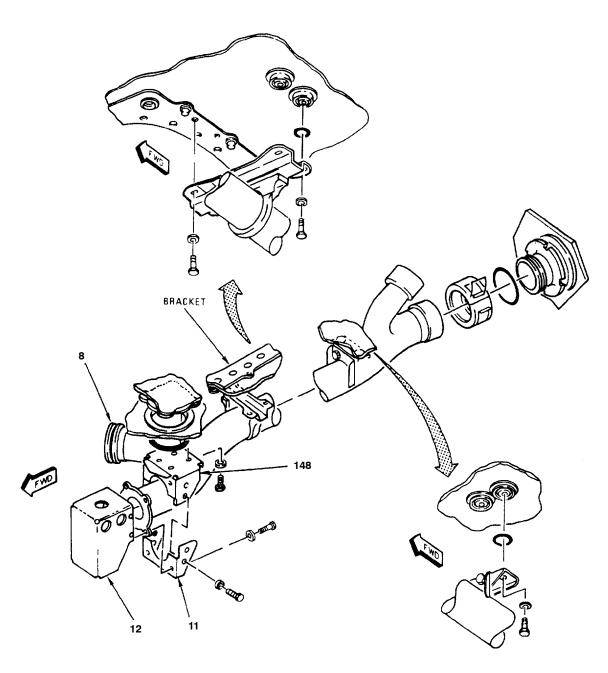
CONFIGURATION X

18AC-460-30-(29-5)13 35

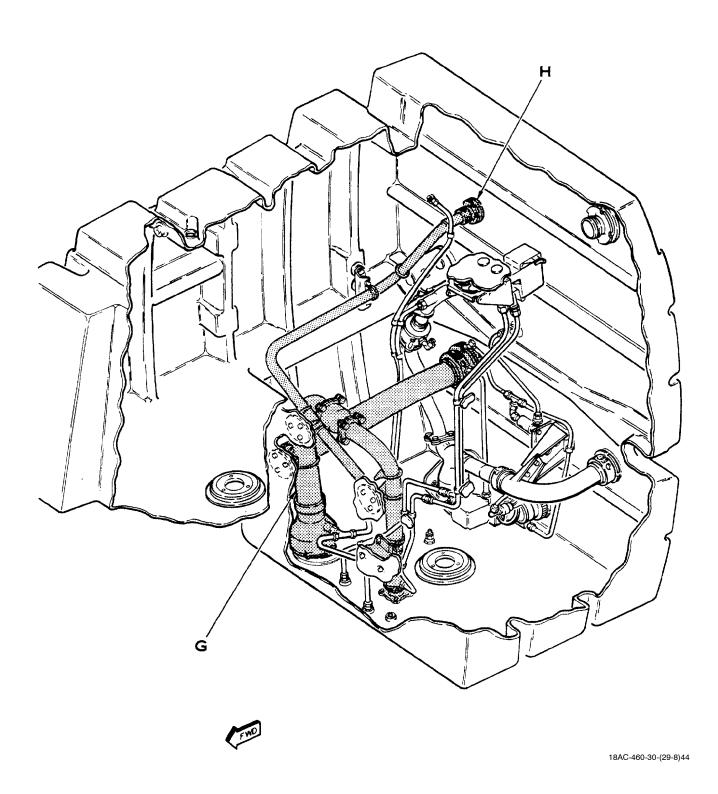
j. Remove tube (16) and related parts.



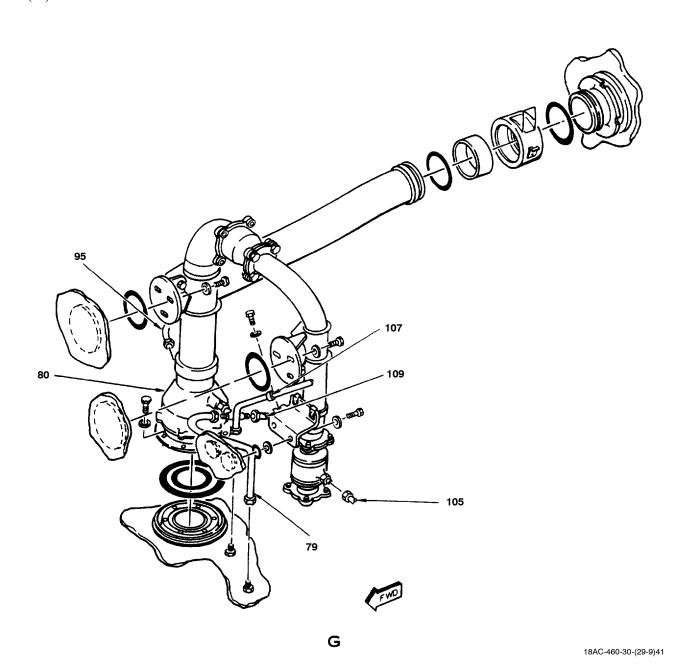
- k. Remove valve (12), channel (11) and support (148).
 - 1. Remove tube (8) and related parts.



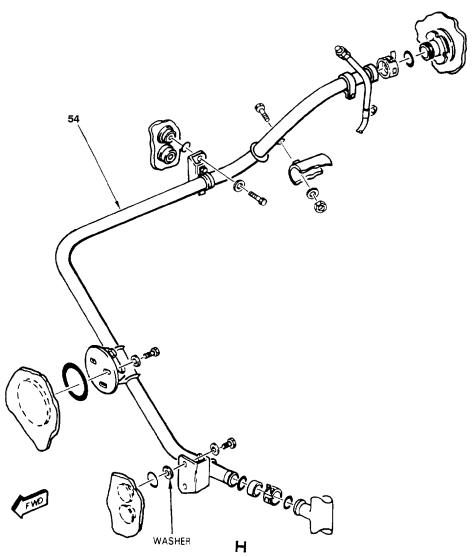
4. SEQUENCE 2.



- a. Remove clamp (107) attaching parts.
- b. Disconnect tubes (95, 105 and 109) and remove tube (79).
- c. Remove valve (80) and related parts.

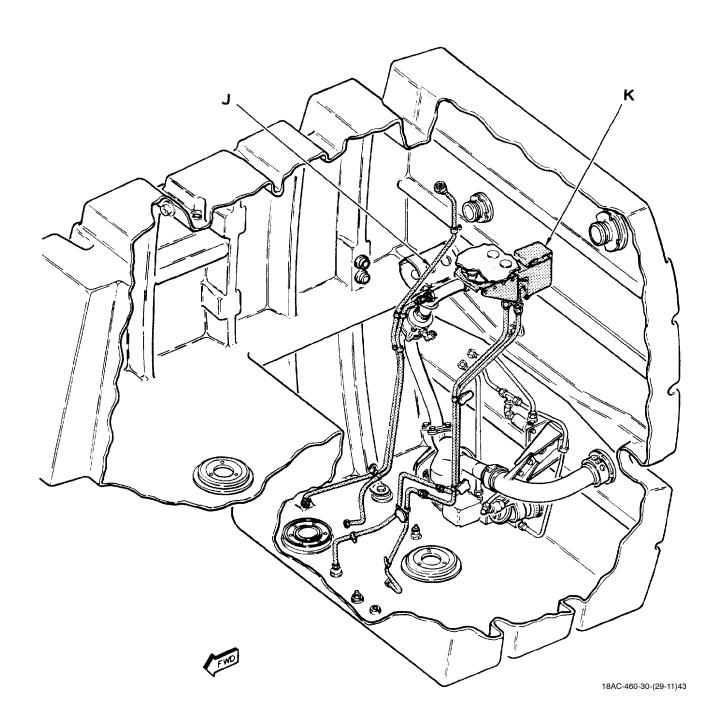


d. Remove tube (54) and related parts.

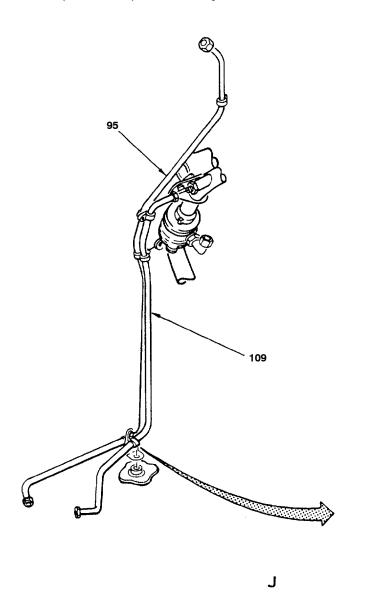


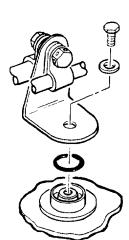
18AC-460-30-(29-10)36

5. **SEQUENCE 3**.



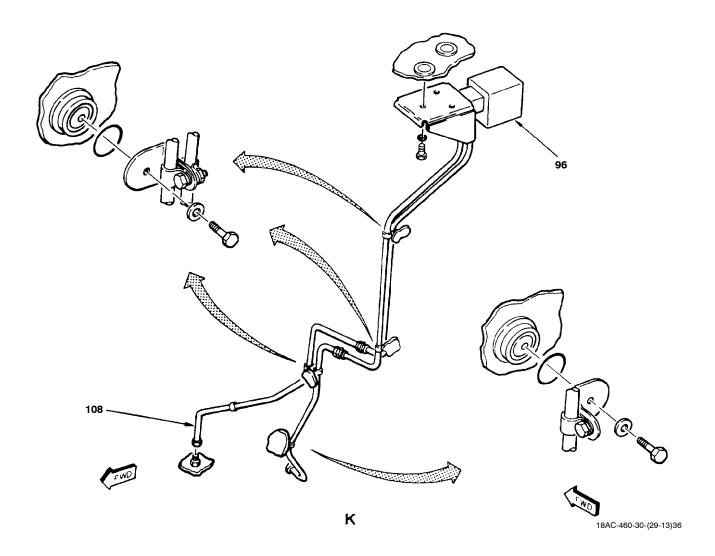
a. Remove tubes (95 and 109) and related parts.



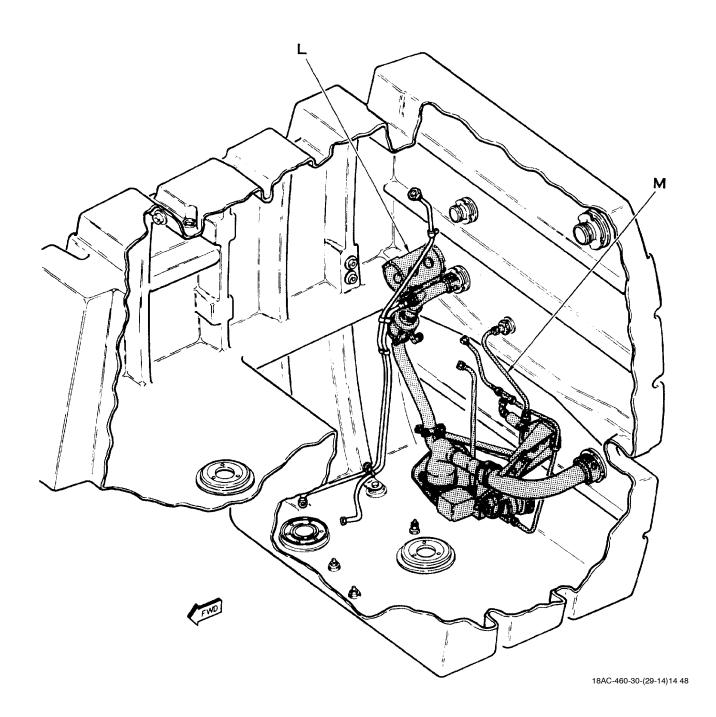


18AC-460-30-(29-12)40

b. Disconnect tube (108) and remove valve (96) and related parts.

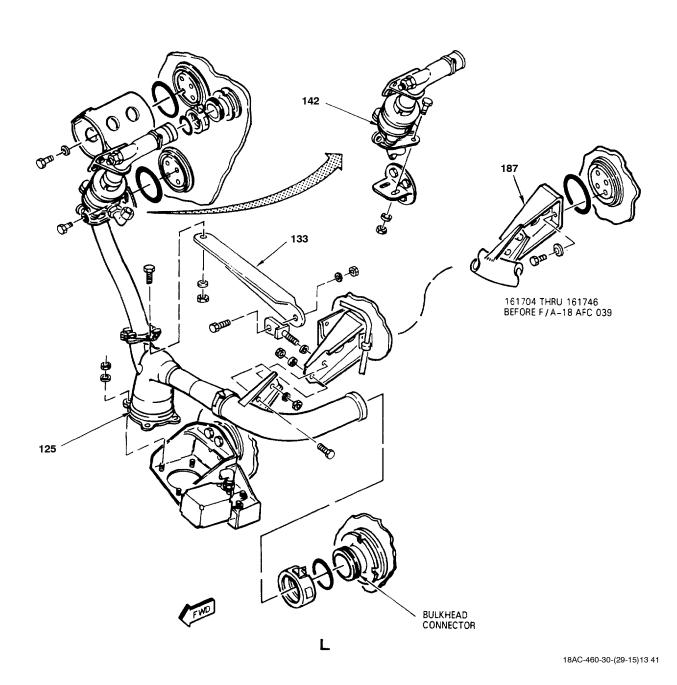


6. SEQUENCE 4.

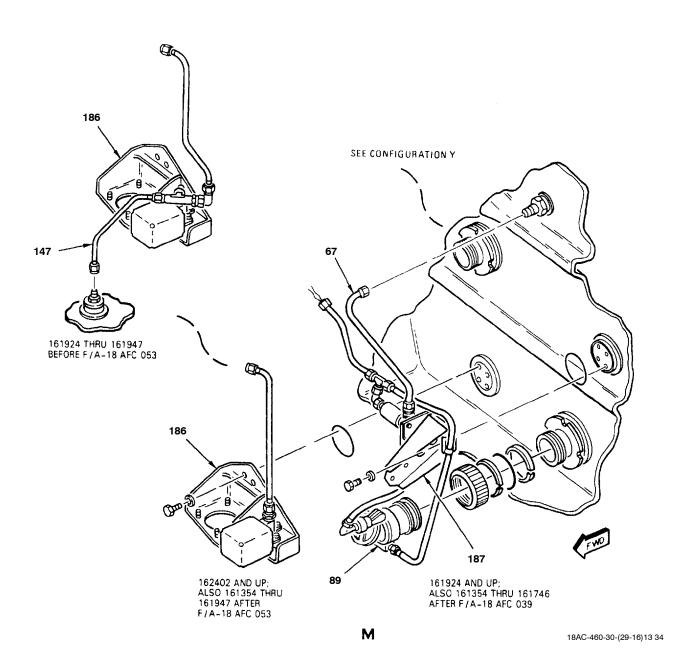


- a. Remove ejector (125), valve (142) and related parts.
- b. On 163123 AND UP, also on 161354 THRU 163115 after F/A-18 IAFC 115, remove link (133) and related parts.

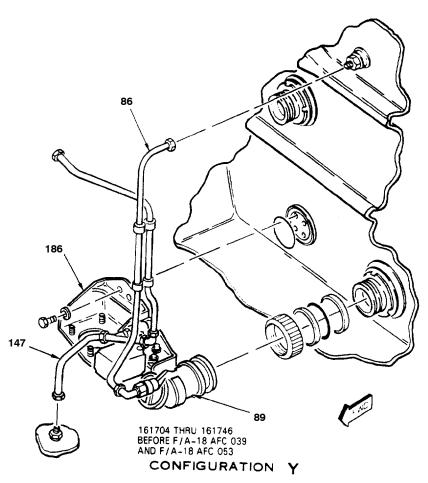
c. On 161704 THRU 161746 BEFORE F/A-18 AFC 39, remove bracket (187) and attaching parts.



- d. On 161924 THRU 161947 BEFORE F/A-18 AFC 53, disconnect tube (147) and remove support (186) with related parts.
- e. On 162402 AND UP; ALSO 161354 THRU 161947 AFTER F/A-18 AFC 53, remove support (186) with related parts.
- f. On 161924 AND UP; ALSO 161354 THRU 161746 AFTER F/A-18 AFC 39, disconnect valve (89) and tube (67), and remove bracket (187) with related parts.

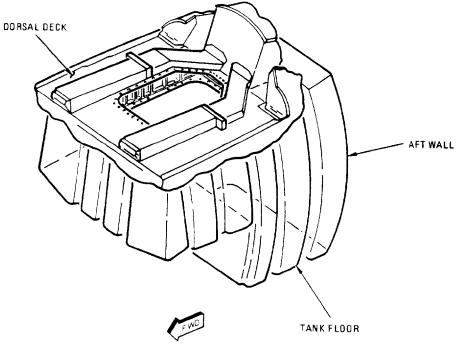


g. On 161704 THRU 161746 BEFORE F/A-18 AFC 39 AND F/A-18 AFC 53, disconnect tubes (86 and 147) and valve (89), and remove support (186) with related parts.



18AC-460-30-(29-17)13 31

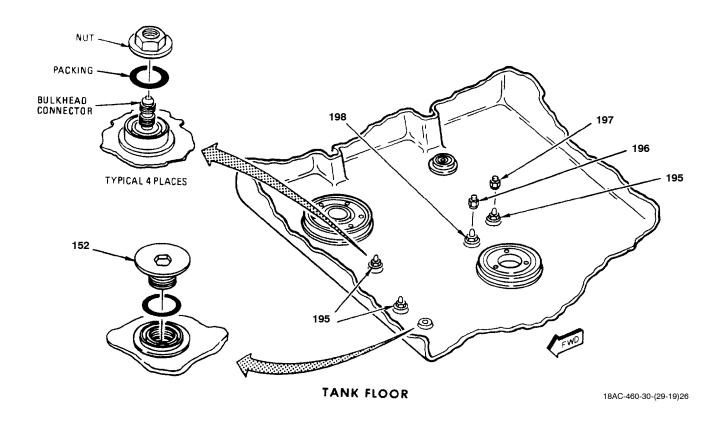
7. **SEQUENCE 5.**



18AC-460-30-(29-18)26

a. On 162402 AND UP; ALSO 161354 THRU 161947 AFTER F/A-18 AFC 53, remove cap (197).

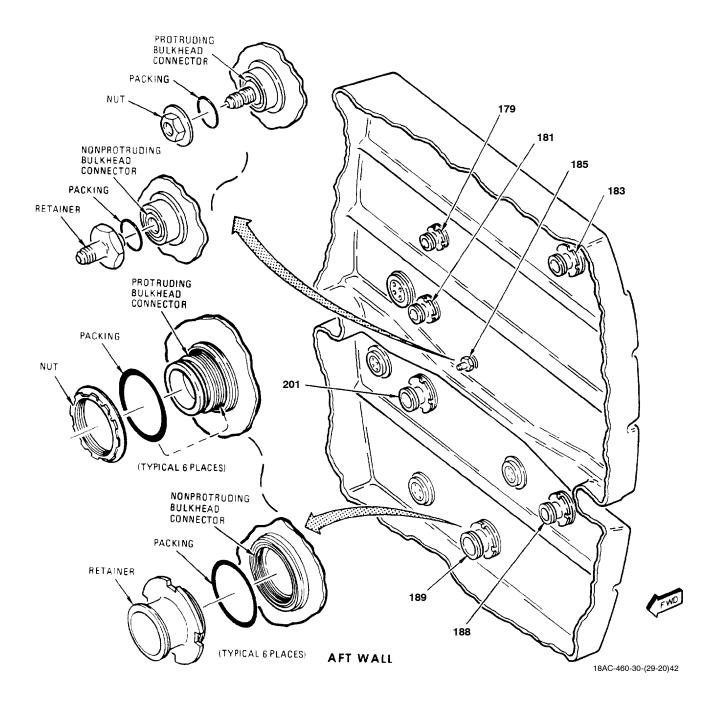
b. Remove adapter (152), cap (196) and nuts (195) and (198).



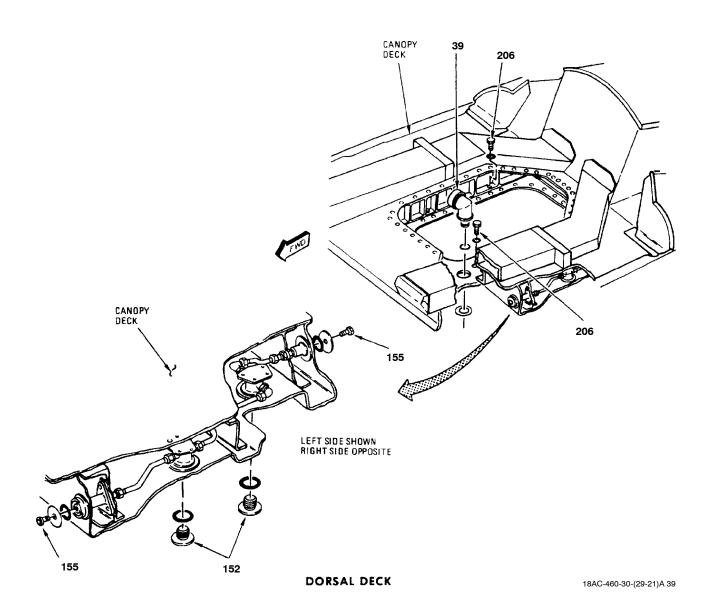
NOTE

High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers.

c. Remove nuts or retainers (179, 181, 183, 185, 188, 189 and 201).



- d. Remove vent plugs (155) and bolts (206) and adapters (152).
 - e. Remove elbow (39).



8. SEQUENCE 6.

a. Apply pressure sensitive tape to threads of all protruding type bulkhead fittings.

CAUTION

To prevent damage to fuel tank, be careful when cutting lacing cords. Also be careful when lowering tank from bulkhead fittings.

- b. Do substeps below until all lacing cords are cut and tank is off all fittings on walls:
- (1) Carefully cut lacing cords that are easiest to get.

NOTE

To avoid damage to fuel tank fittings, do not use pliers when removing tank from bulkhead fittings.

- (2) With hands between tank and structure (as near as possible to fitting), slide tank off all bulkhead fittings. Use fuel cell removal/installation tool set (WP009 01), if required. Position barrier material between tank fitting and bulkhead fitting.
 - c. Remove protective pads from tank (WP009 01).
- d. Fold and remove fuel tank (WP017 00). Make sure tank is off all bulkhead fittings.
- e. Remove all cut lacing, pressure sensitive tape, used packings, hardware and foreign material from tank cavity.

9. CAVITY INSPECTION (QA).



Failure to do the steps below may result in damage to fuel tank.

- a. Inspect for and clean (WP039 00) all fittings of:
 - (1) dirt
 - (2) paint

- (3) grease
- (4) corrosion
- (5) foreign material that would prevent a correct seal
- b. Inspect for and repair/replace fittings (WP038 00) and, if applicable, retainers (WP038 01) with:
 - (1) cracks
 - (2) scratches
 - (3) nicks
 - (4) distortion
 - (5) damaged threads
- (6) damage that would cause mismatching, or prevent a correct seal
- c. Inspect for and replace (WP017 02) all foam/honeycomb that is:
 - (1) loose
 - (2) damaged
- (3) fuel soaked (Fuel soaked foam blocks rigidity, seep fuel when compressed and/or come apart when handled, WP039 00.)
 - (4) missing
- d. Inspect for and replace (WP039 00) all pressure sensitive tape that is:
 - (1) damaged
 - (2) loose
 - (3) missing
 - e. Inspect complete cavity for:
- (1) burrs, sharp edges or protrusions that would chafe tank
 - (2) loose, damaged or missing lacing clips
 - (3) cleanliness
 - (4) corrosion

1 May 2001 Page 1/(2 blank)

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

INSTALLATION - NO. 1 FUEL TANK (5CAP508)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18B

Title	WP Number
Installation - No. 1 Fuel Tank - 161354 THRU 161360 BEFORE F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115	015 01
THRU 161360 AFTER F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115	015 02

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

INSTALLATION - NO. 1 FUEL TANK (5CAC611)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18B 161354 THRU 161360 BEFORE F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115

Reference Material

Fuel System	
Internal Fuel System and Engine Fuel Supply System Test	
Fuel System	A1-F18AC-460-300
No. 1 Fuel Tank Access Cover F/A-18B	WP004 00
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
No. 1 Fuel Tank Inspection and Folding	WP017 00
IPB - No. 1 Fuel Tank	WP016 00
Line Maintenance Procedures	A1-F18AC-LMM-000
Plane Captain Manual	A1-F18AC-PCM-000

Alphabetical Index

Subject	Page No
General	2
Installation	4
Materials Required	2
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings With Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-

Support Equipment Required

Materials Required (Continued)

Part Number or Type Designation	Nomenclature	Specification or Part Number	Nomenclature
74D460102-1001	Fuel Tank Bulkhead Nuts Adapter Set	474	Tape, Pressure Sensitive
152016-1	Fuel Tank Bulkhead	(CAGE 26066)	
	Adapter (Retainer) Socket Wrench	MS20995NC32 (CAGE 96906)	Lockwire
-	Torque Wrench, 0 to 60 Inch-Pounds	1. GENERAL.	
-	Torque Wrench, 0 to 120 Inch-Pounds		
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set		NOTE
6230-00-270-5419	Electric, General Purpose, Explosion Proof Lantern	For complete parts Parts List (WP016	s list, see No. 1 Fuel Tank 5 00).

Materials Required

Specification or Part Number	Nomenclature	Index numbers used to tag components during removal are circled on artwork of procedure to aid in reassembly.
MIL-C 5040, Type 3 (CAGE 81349)	Cord, Fibrous	a. Do or observe fuel tank maintenance precautions (WP013 00).
VV-P-236 (CAGE 81348)	Petrolatum, Technical	tions (wrots oo).
74K580001-1003	Preformed Packing Assortment	b. Apply pressure sensitive tape to all protruding type cavity fittings.

NOTE

Tie start knots of all lacing cords at first cavity support fitting before installing fuel tank to ease lacing procedure.

- c. Inspect, fold and insert fuel tank (WP017 00).
- d. After positioning tank, remove pressure sensitive tape from cavity fittings.
- e. Certain supports, brackets or similar parts are adjustable and may need to be installed fingertight until mating components are installed. This allows alignment of the mating components for the final torque.





Technical Petrolatum, VV-P-236

1

- f. Lubricate all new packings with petrolatum before installation.
 - g. For alignment of tubes refer to WP013 00.

WARNING

Make sure improved couplings (W901K, W904K, 14J12, or 14C12) are installed where flagnoted on procedure to maintain aircraft safety in flight.

- h. Install improved couplings (W901K, W904K, 14J12 or 14C12) where flagnoted on procedure. (QA)
- i. When a sequence is completed inspect applicable tasks listed below for compliance: (QA)
 - (1) Specific torque callouts.
 - (2) Items safetied with lockwire.
 - (3) Foreign objects removed.
 - (4) Coupling condition and security.
- (5) Tube/line condition and security, and torque if printed on tube/line.
 - (6) Fuel tank (bladder) condition.

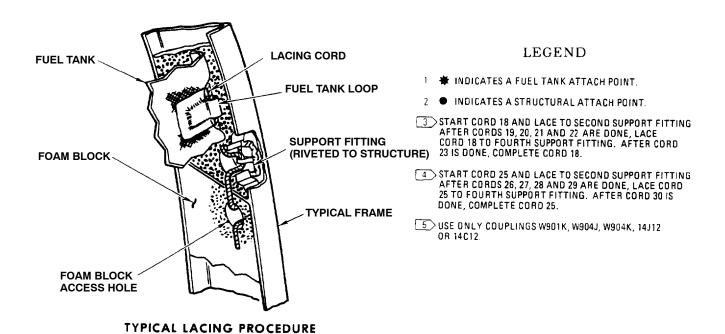
- 2. INSTALLATION.
- 3. SEQUENCE 1.

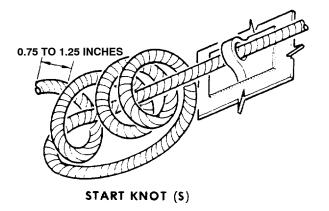


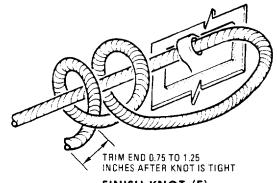
To prevent damage to fuel tank, be careful when trimming lacing cords.

a. Cut forty-seven 3 foot lengths of lacing cord and prepare lacing cords ends per WP013 00.

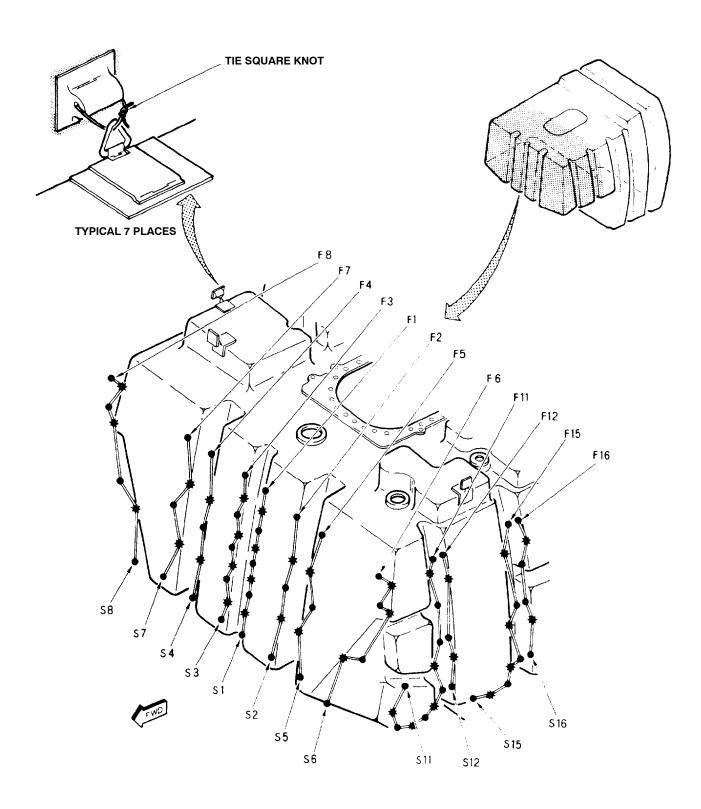
- b. Install lacing cords in sequence numbers shown on the following pages.
- c. Always pull cord completely through support fitting and fuel tank loop before starting into next fitting or loop.
- d. Limit lacing cord length to 0.75 to 1.25 inches past knot.

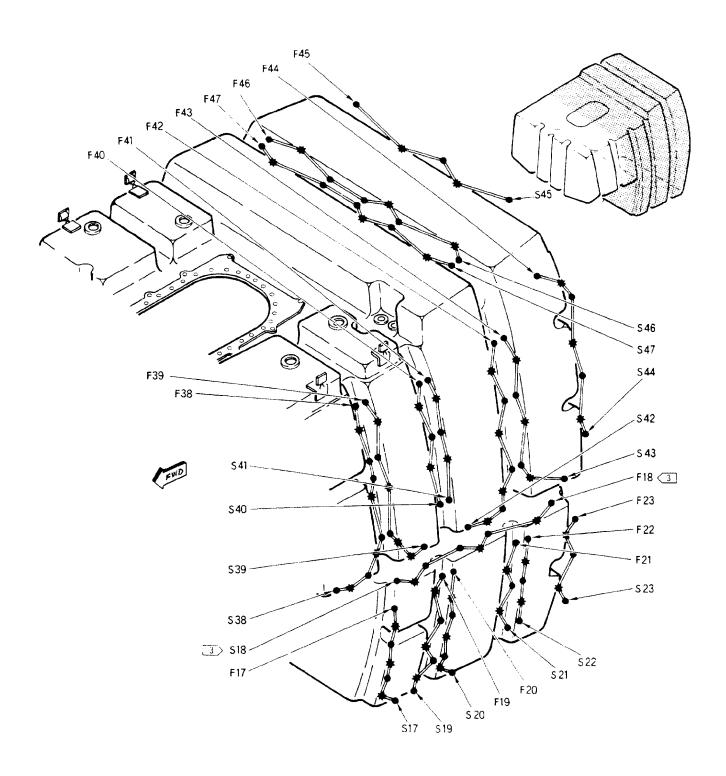


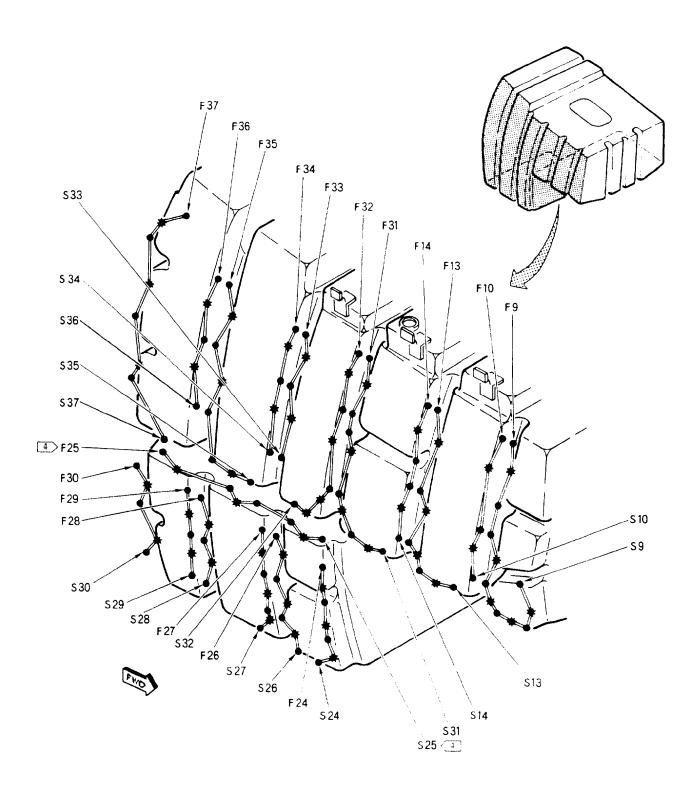




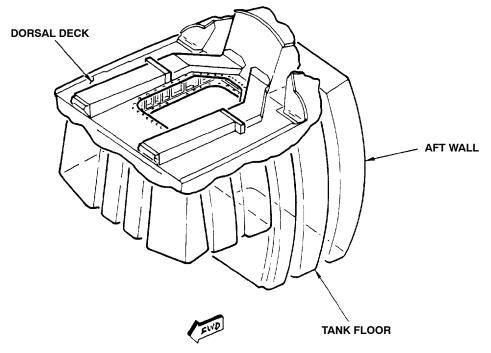
FINISH KNOT (F)







4. SEQUENCE 2.

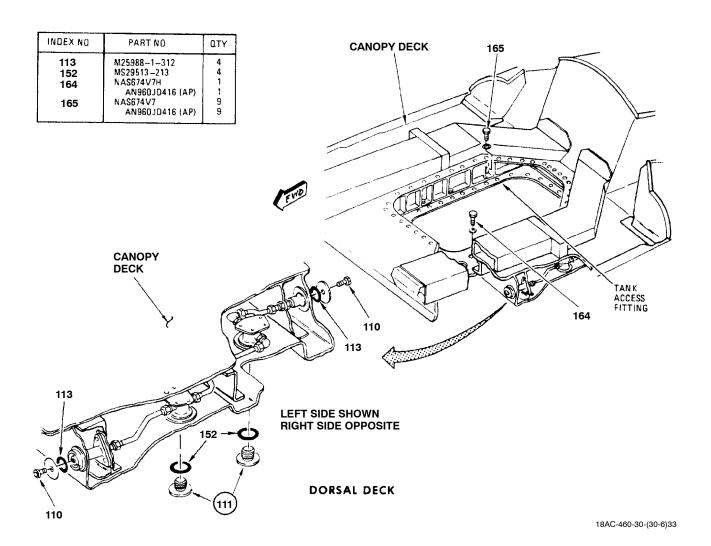


18AC-460-30-(30-5)26

- a. Prepare mating surfaces of tank access fitting and structure for electrical bond (A1-F18AC-LMM-000).
 - b. Install bolts (164 and 165) and washers.
 - c. Install packings (113), vent bolts (110) and

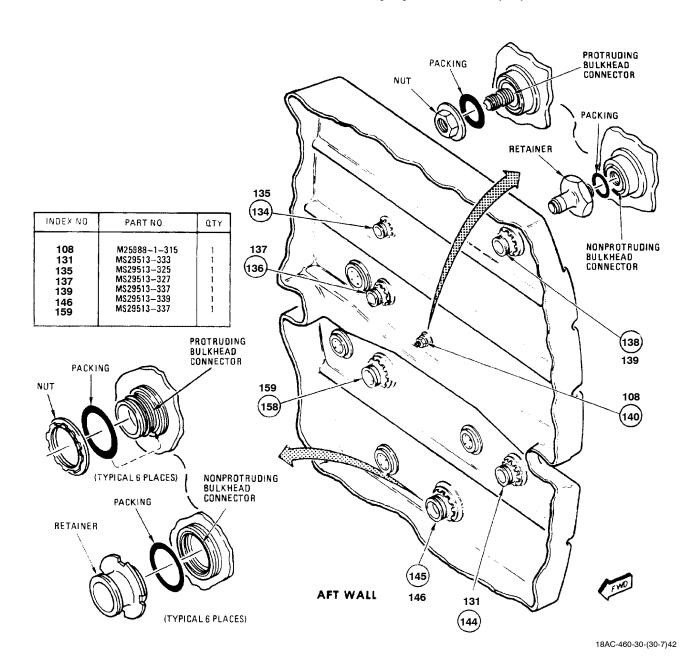
washers. Torque vent bolts (110) 10 to 25 inch-pounds above running torque after metal to metal contact. (QA)

d. Install packings (152) and adapters (111). Torque adapters (111) 70 to 90 inch-pounds. (QA)



e. Install packings (108, 131, 135, 137, 139, 146 and 159).

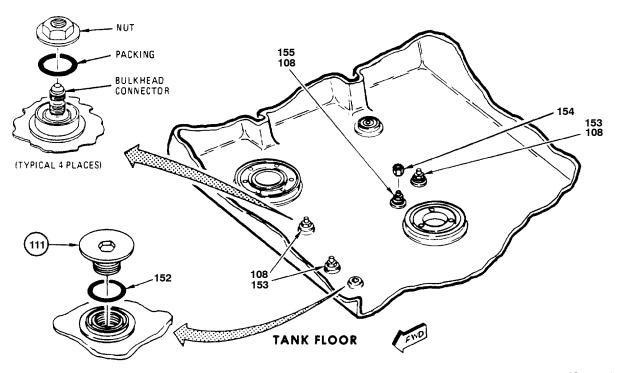
f. Install nuts or retainers (134, 136, 138, 140, 144, 145 and 158) and verify running torque and final torque per WP013 00. (QA)



g. Install packing (152) and adapter (111). Torque adapter (111) 70 to 90 inch-pounds. (QA)

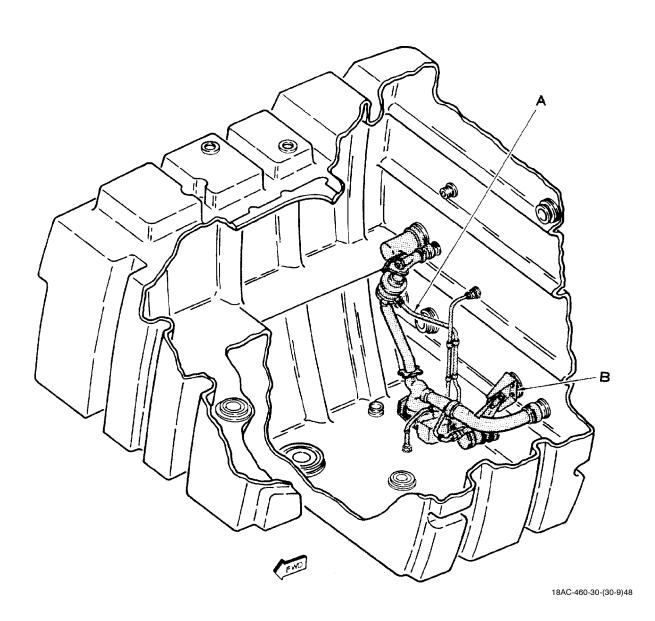
h. Install packings (108), nuts (153 and 155), cap (154) and verify running torque and final torque of nuts per WP013 00. (QA)

INDEX NO.	PART NO	ŒΤΥ
108	M25988-1-315	4
152	MS29513-213	1



18AC-460-30-(30-8)32

5. **SEQUENCE 3**.



- a. Prepare mating surfaces of support (141) and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. Install packings (92 and 131), support (141) and valve (94) with tubes (84, 85 and 97). Tighten

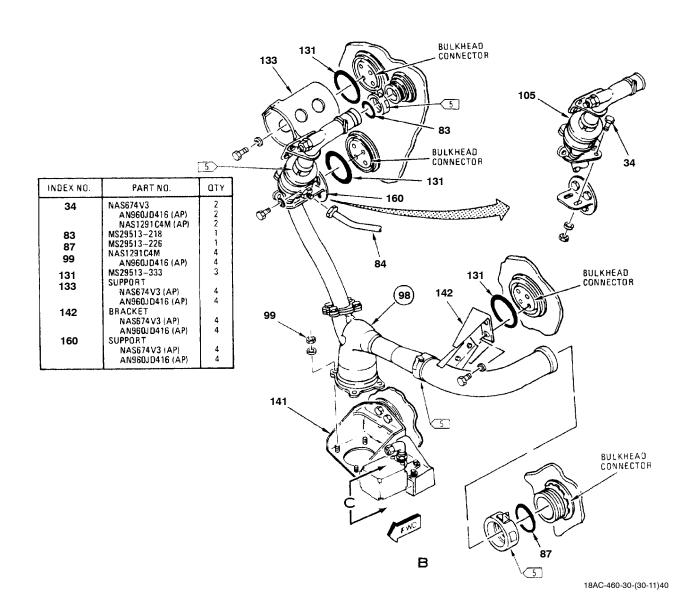
coupling (91) handtight and support (141) attaching parts fingertight.

c. Connect tubes (85 and 97).

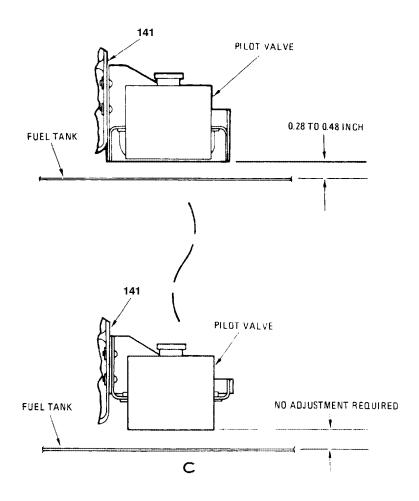
INDEX NO.	PART NO.	ату			
92 131 141	MS29513-334 MS29513-333 SUPPORT NAS674V3 (AP) AN960JD416 (AP)	1 1 4 4			
		85		The state of the s	
	84 (141)				131
	97	3			الغال
•			A	91	91 92 18AC-460-30-(30-10)33

- d. Prepare mating surfaces of bracket (142), ejector (98), supports (133 and 160) and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
 - e. Install packings (83, 87 and 131).

- f. Install supports (133 and 160), valve (105) and ejector (98) assembly and tighten all attaching parts after adjusting support (141) per detail C.
- g. Connect tube (84) and bracket (142) attaching parts.

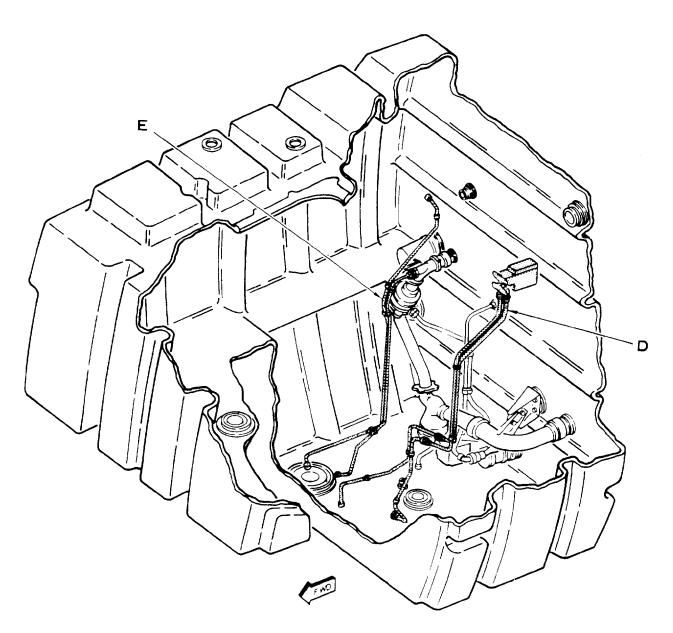


h. Adjust support (141), if required, so clearance is as shown below. Tighten support (141) bolts.



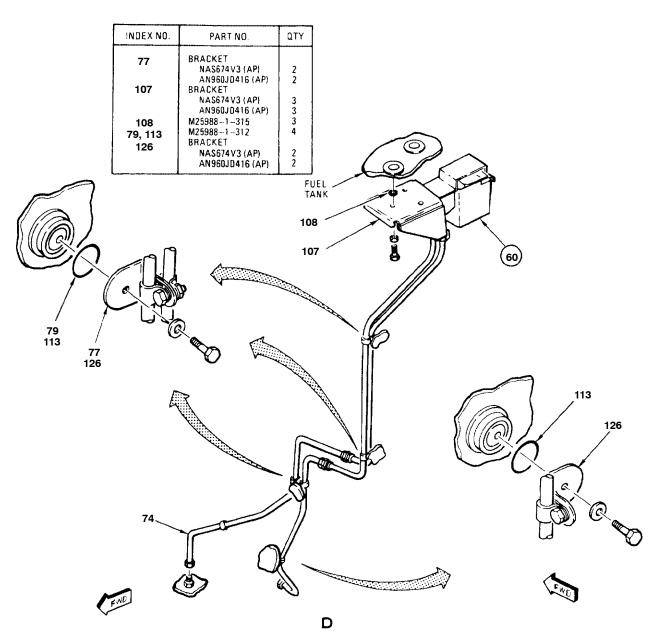
18AC-460-30-(30-12)33

6. SEQUENCE 4.



18AC-460-30-(30-13)48

- a. Prepare mating surfaces of bracket (107), and bulkhead fittings for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. Install packings (79, 108 and 113), valve (60) with related parts.
- c. Connect tube (74) and install attaching parts to brackets (77 and 126).

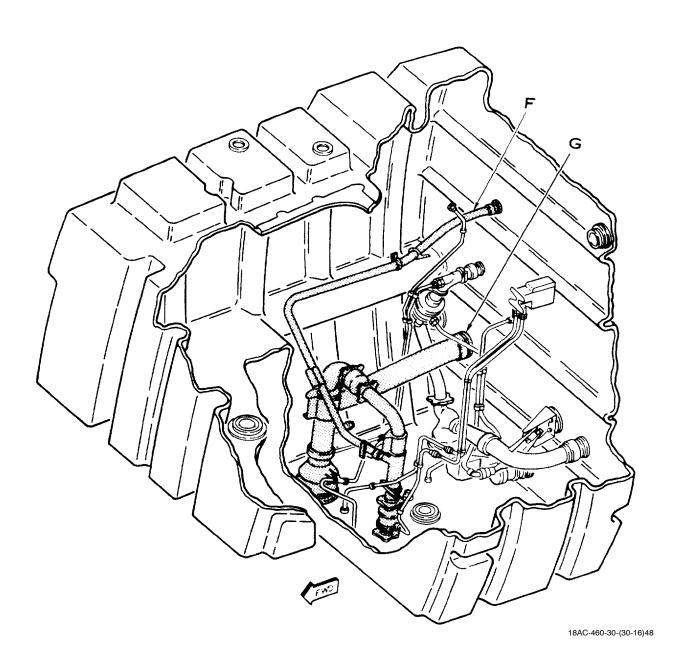


18AC-460-30-(30-14)40

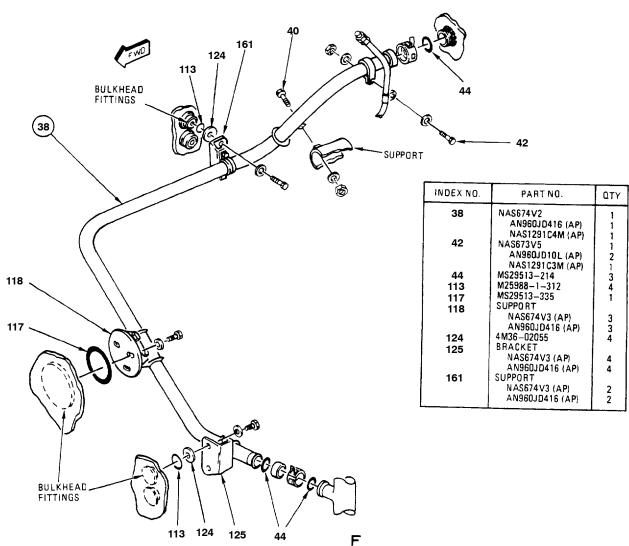
d. Install packing (113), tubes (59 and 95), and bracket (156) and bolt (66) attaching parts.

				_	
INDEX NO.	PART NO.	QTY		9	
66 113 156	NAS673V6 AN960JD10L (AP) NAS1291C3M (AP) M25988-1-312 BRACKET NAS674V3 (AP) AN960JD416 (AP)	1 1 1 1 1			
	59		59		156 113
			E		18AC-460-30-(30-15)43

7. **SEQUENCE 5**.

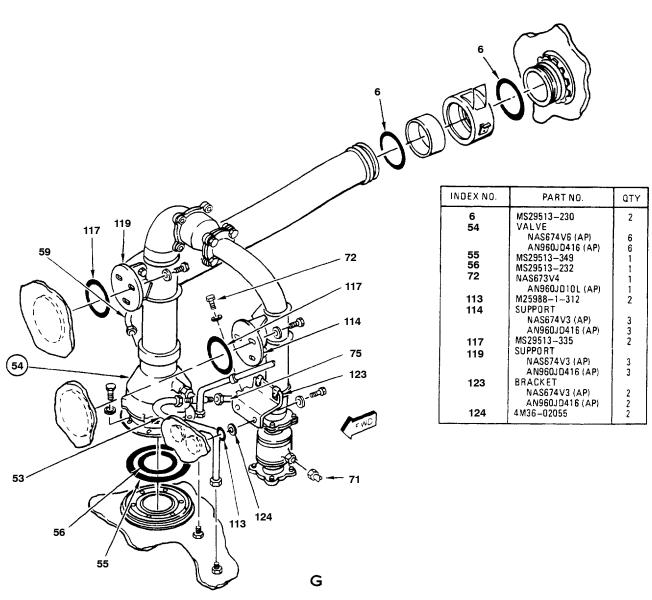


- a. Prepare mating surfaces of bracket (125), supports (118 and 161), and bulkhead fittings for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. Install packings (44, 113 and 117), tube (38) and related parts.



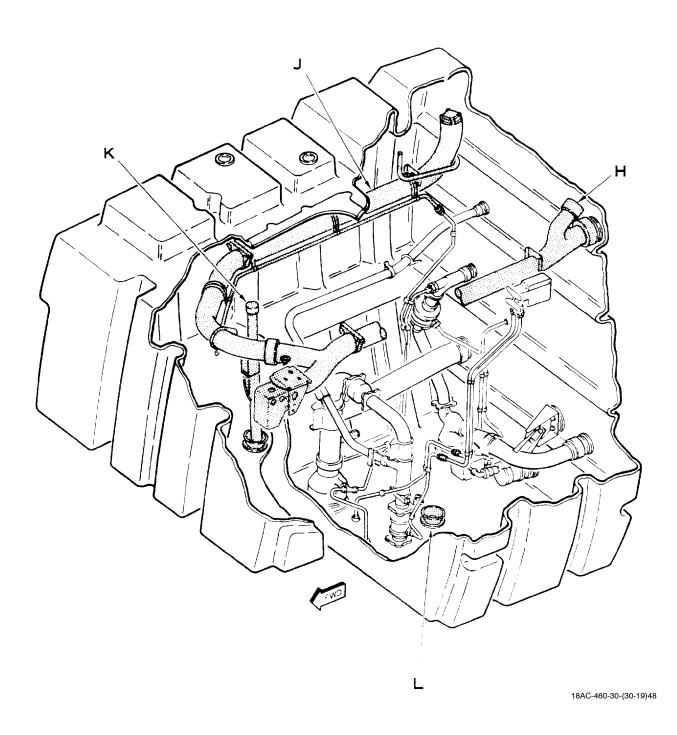
18AC-460-30-(30-17)A 37

- c. Prepare mating surfaces of valve (54), supports (114 and 119), and bracket (122) for electrical bond at one bolt connection (A1-F18AC-LMM-000).
 - d. Install packings (6, 55, 56, 113 and 117).
- e. Position valve (54) and related parts and install attaching parts to support (114 and 119), bracket (123) and valve (54).
- f. Connect tubes (59, 71 and 75) and install tube (53), and bolt (72) and washer.



18AC-460-30-(30-18)39

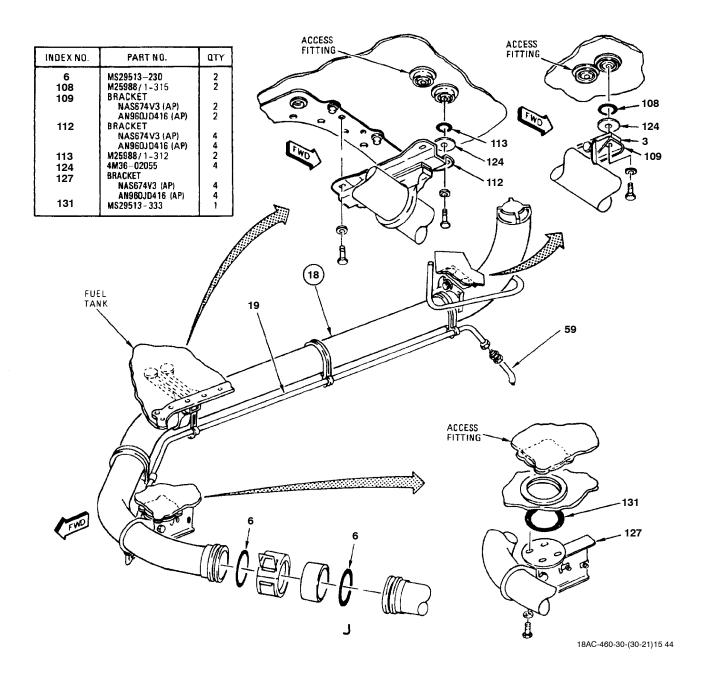
8. SEQUENCE 6.



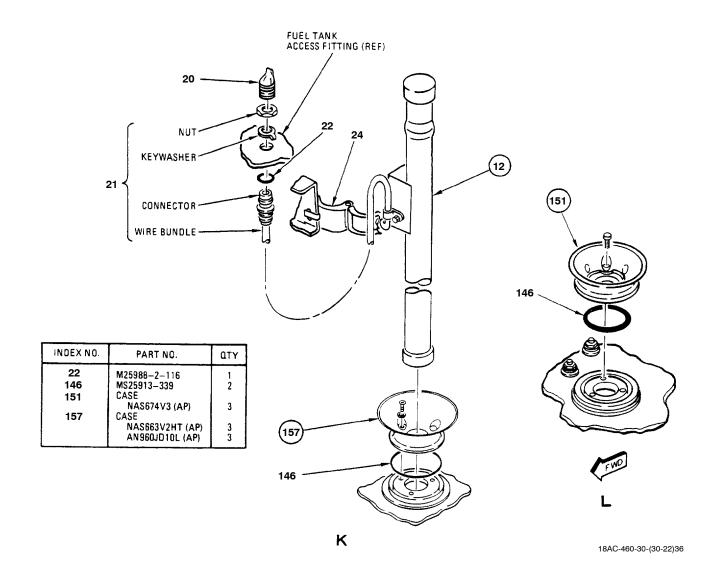
- a. Prepare mating surfaces of structure, valve (11), support (132), channel (10) and brackets (109 and 112) for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. Install packings (6, 108, 113 and 131), support (132) and attaching parts.
- c. Install tube (7), valve (11), brackets (109 and 112), channel (10), shims (3) as required, attaching parts.
- d. Torque valve (11) bolts 20 to 30 inch-pounds. (QA)

INDEX NO	PARTNO	0.71		
INDEX NO.	PART NO.	QTY		
6	MS29513-230	1		
10	CHANNEL ASSY NAS674V1 (AP)	4		
•	AN960JD416L (AP)	4		
11	VALVE	,		
	NAS674V3 (AP) AN960JD416 (AP)	4 4		
108	M25988/1-315	2		
109	BRACKET NAS674V3 (AP)	2		
1	AN960JD416 (AP)	2	0	
112	BRACKET			
	NAS674V3 (AP) AN960JD416 (AP)	4 4	124	
113	M25988/1-312	2		
124	4M36 - 02055 MS29513 - 333	4	112	
131 132	SUPPORT	'		
132	NAS674V3 (AP)	4		
	AN960JD416 (AP)	4		
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	(1)	, .	11	60-30-(30-20)15 42
			- 10AO-40	00 00-(00-20)10 42

- e. Prepare mating surfaces of fuel tank access fitting and brackets (109, 112 and 129) for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- f. Install packings (6, 108, 113 and 131), tubes (18 and 19), shims (3) as required, attaching parts to brackets (109, 112 and 127).
 - g. Connect tube (59).



- h. Prepare mating surface of case (151 and 157) bolts for electrical bond at one bolt connection (A1-F18AC-LMM-000).
 - i. Install packings (146) and cases (151 and 157).
 - j. Install transmitter (12) and close clamp (24).
- k. Install packing (22) on connector (21).
- 1. Install keywasher, nut and connect connector (20). Safety nut with lockwire. (QA)



Page 26

- m. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01). (QA)
 - n. Install access cover (WP004 00).
- o. Connect both utility and emergency battery connectors (WP013 00) and remove no power tag from external power receptacle.
- p. Refuel aircraft (A1-F18AC-PCM-000). Let stand 24 hours and inspect for leaks at cavity drain.
- q. Do internal fuel transfer and engine fuel supply system test (A1-F18AC-460-200, WP012 00).

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

INSTALLATION - NO. 1 FUEL TANK (5CAC611)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18B 161704 AND UP; ALSO 161354 THRU 161360 AFTER F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115

Reference Material

Fuel System	A1-F18AC-460-200
Internal Fuel System and Engine Fuel Supply System Test	
Fuel System	A1-F18AC-460-300
No. 1 Fuel Tank Access Cover F/A-18B	WP004 00
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
No. 1 Fuel Tank Inspection and Folding	WP017 00
IPB - No. 1 Fuel Tank	WP016 00
Line Maintenance Procedures	A1-F18AC-LMM-000
General Wiring Repair Procedures	A1-F18AC-WRM-000
Plane Captain Manual	A1-F18AC-PCM-000

Alphabetical Index

Subject	Page No.
General	3
Installation	4
Materials Required	3
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings With Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve and Raised Inverted Baffle. (ECP MDA-F/A-18-00055C1)	15 Oct 86	-
F/A-18 AFC 39	-	No. 1 Fuel Tank Interconnect Valve Replacement and Fuel Sequencing Modification (ECP MDA-F/A-18-00072C1)	15 Oct 86	-
F/A-18 IAFC 115	-	Y383 Bulkhead Fatigue Improvements (ECP MDA-F/A-18-00266)	1 Oct 88	-

Support Equipment Required Part Number or Type		Support Equipment Required (Continued)		
Designation	Nomenclature	Part Number or Type		
74D460102-1001	Fuel Tank Bulkhead Nuts Adapter Set	Designation	Nomenclature	
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench	74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set	
-	Torque Wrench, 0 to 50	57A43	Electric, General Purpose, Explosion Proof Lantern	
-	Inch-Pounds Torque Wrench, 0 to 300 Inch-Pounds	-	Torque Wrench, 0 to 150 Inch-Pounds	
-	Torque Wrench, 0 to 600 Inch-Pounds			

Materials Required

Specification or Part Number	Nomenclature
MIL-C 5040, Type 3 (CAGE 81349)	Cord, Fibrous
VV-P-236 (CAGE 81348)	Petrolatum, Technical
74K580001-1011 (CAGE 76301)	Preformed Packing Assortment
474 (CAGE 26066)	Tape, Pressure Sensitive
MS20995NC32 (CAGE 96906)	Lockwire
AN960JD416L	Washer (3)

1. GENERAL.

NOTE

For complete parts list, see No. 1 Fuel Tank Parts List (WP016 00).

Index numbers used to tag components during removal are circled on artwork of procedure to aid in reassembly.

- a. Do or observe fuel tank maintenance precautions (WP013 00).
- b. Apply pressure sensitive tape to all protruding type cavity fittings.

NOTE

Tie start knot of all lacing cords at first cavity support fitting before installing fuel tank to ease lacing procedure.

c. Do no. 1 fuel tank inspection and folding (WP017 $\,$ 00).

- d. After positioning tank, remove pressure sensitive tape from cavity fittings.
- e. Certain supports, brackets or similar parts are adjustable and may need to be installed fingertight until mating components are installed. This allows alignment of the mating components for the final torque.





Technical Petrolatum, VV-P-236

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- f. Lubricate all new packings with petrolatum before installation.
 - g. For alignment of tubes, refer to WP013 00.

WARNING

Make sure improved couplings (W901K, W904K, 14J12 or 14C12) are installed where flagnoted on procedure to maintain aircraft safety in flight.

- h. Install improved couplings (W901K, W904K, 14J12 or 14C12) where flagnoted on artwork in procedure. (QA)
- i. When a sequence is completed, inspect applicable tasks listed below for compliance: (QA)
 - (1) Specific torque callouts.
 - (2) Items safetied with lockwire.
 - (3) Foreign objects removed.
 - (4) Coupling condition and security.
- (5) Tube/line condition and security, and torque if printed on tube/line.
 - (6) Fuel tank (bladder) condition.

2. INSTALLATION.

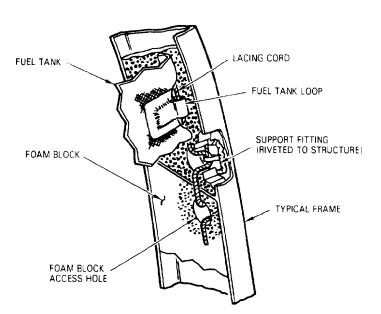
3. SEQUENCE 1.



To prevent damage to fuel tank, be careful when trimming lacing cords.

a. Cut forty-seven 3 foot lengths of lacing cord and prepare lacing cords ends per WP013 00.

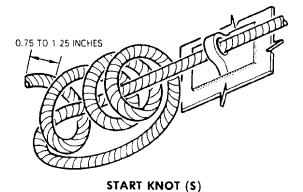
- b. Install lacing cords in sequence numbers shown on the following pages.
- c. Always pull cord completely through support fitting and fuel tank loop before starting into next fitting or loop.
- d. Limit lacing cord length, to 0.75 to 1.25 inches past knot.

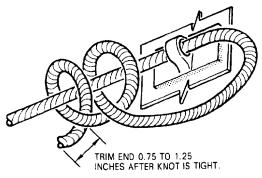


LEGEND

- 1 * INDICATES A FUEL TANK ATTACH POINT.
- 2. INDICATES A STRUCTURAL ATTACH POINT.
- 3 START CORD 18 AND LACE TO SECOND SUPPORT FITTING AFTER CORDS 19, 20, 21 AND 22 ARE DONE, LACE CORD 18 TO FOURTH SUPPORT FITTING. AFTER CORD 23 IS DONE, COMPLETE CORD 18.
- 4 START CORD 25 AND LACE TO SECOND SUPPORT FITTING AFTER CORDS 26, 27, 28 AND 29 ARE DONE, LACE CORD 25 TO FOURTH SUPPORT FITTING. AFTER CORD 30 IS DONE, COMPLETE CORD 25.
- 5 TO LOCATE WIRE TERMINAL REPAIR INFORMATION IN A 1-F18AC-WRM-000. USE WRA REFERENCE DESIGNATOR AND TERMINAL NUMBER. 5A-E035 SPLICE AREA ONLY ON 161704 THRU 161746.
- 6 USE ONLY COUPLINGS W901K, W904K, 14J12 OR 14C12.
- 7 161354 THRU 163115 BEFORE F/A-18 IAFC 115
- 8 163123 AND UP; ALSO 161354 THRU 163115 AFTER F/A-18 IAFC 115

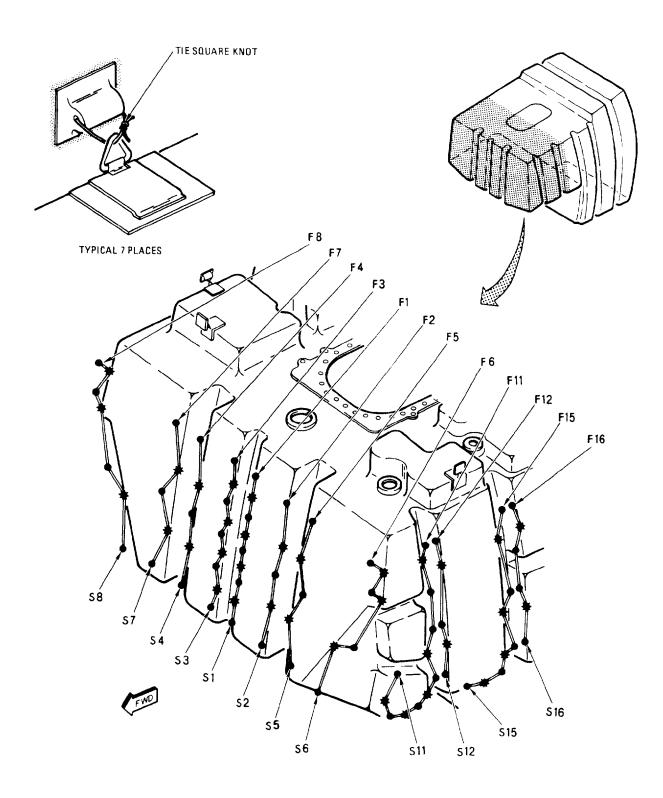
TYPICAL LACING PROCEDURE

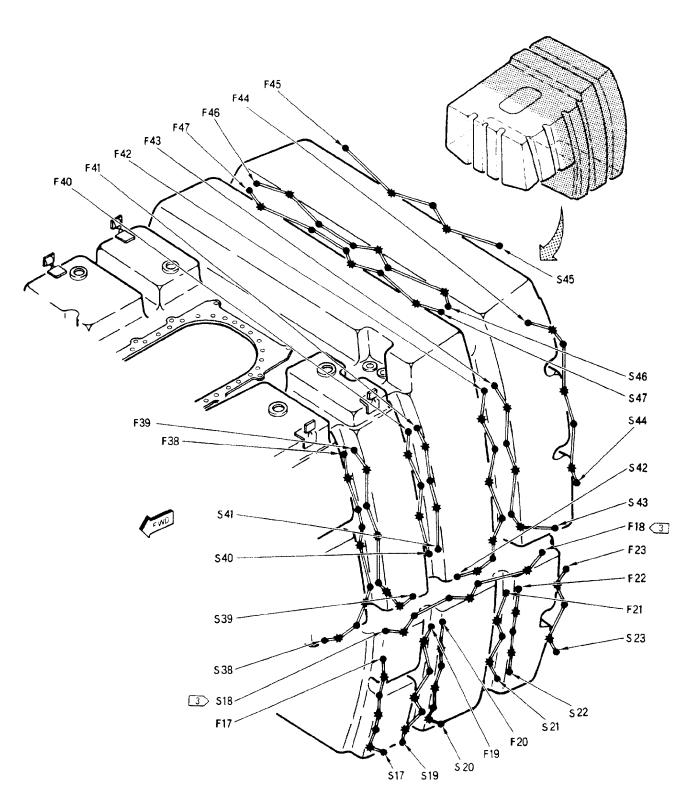


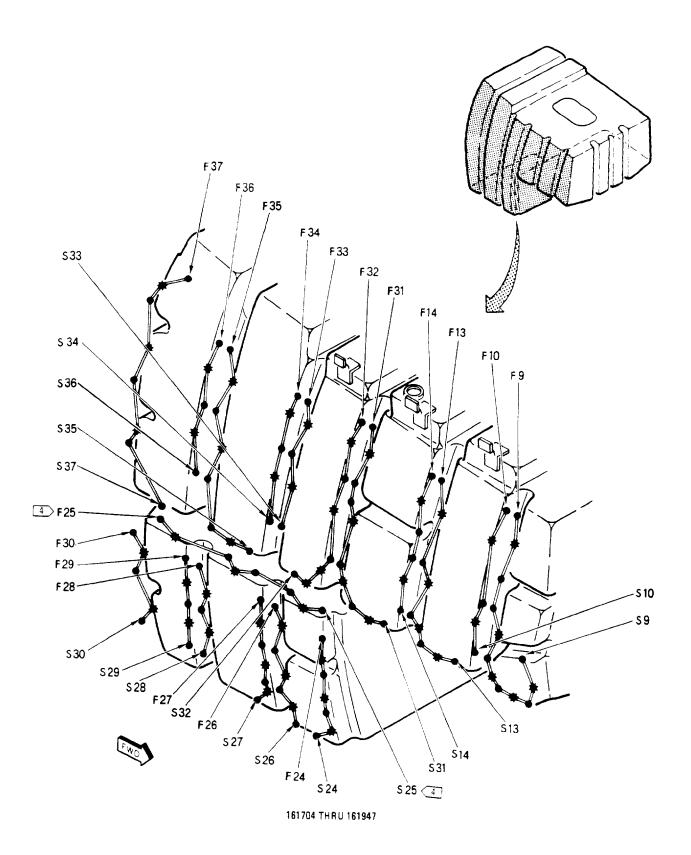


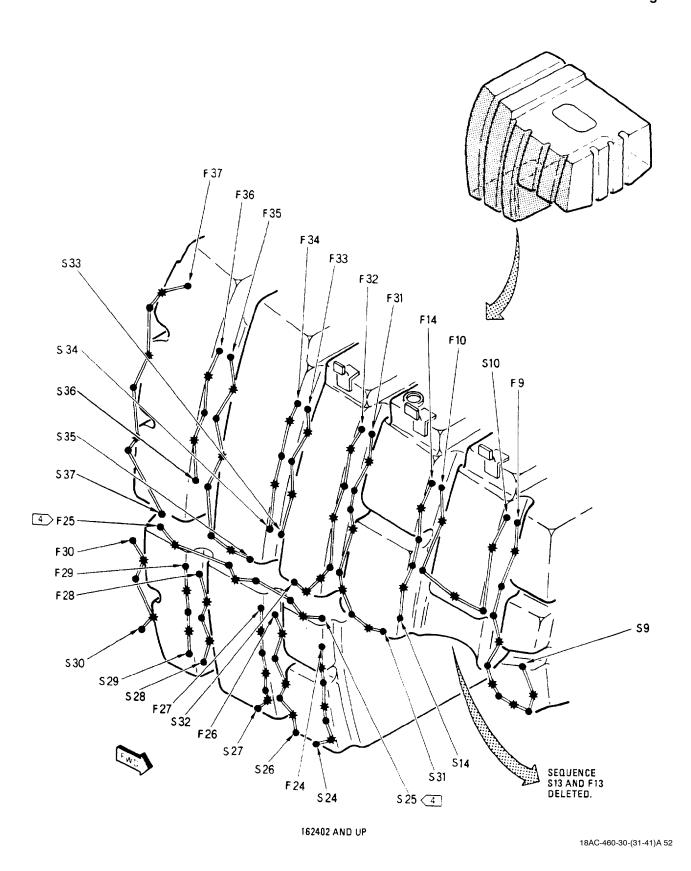
FINISH KNOT (F)

18AC-460-30-(31-1)14 33

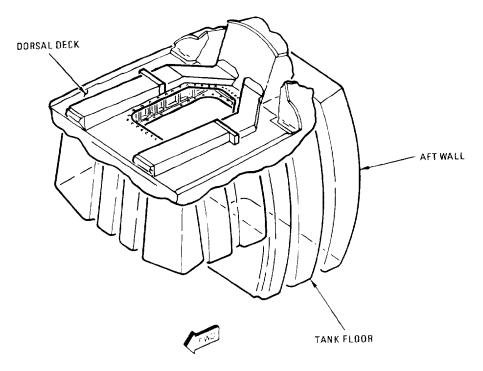








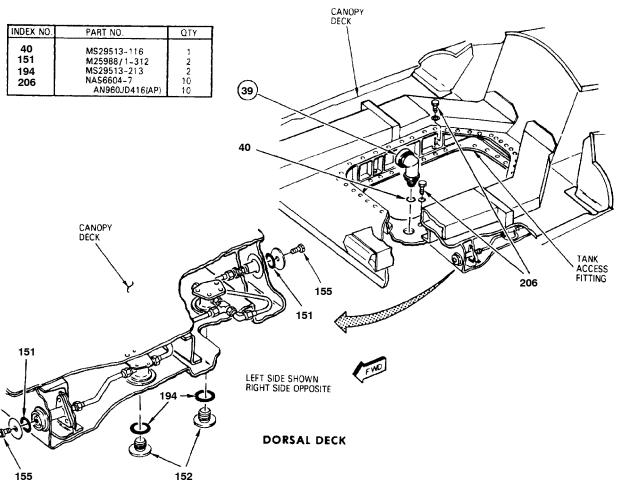
4. SEQUENCE 2.



18AC-460-30-(31-5)29

- a. Position packing (40) and elbow (39).
- b. Prepare mating surfaces of tank access fitting and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
 - c. Install bolts (206) and washers.

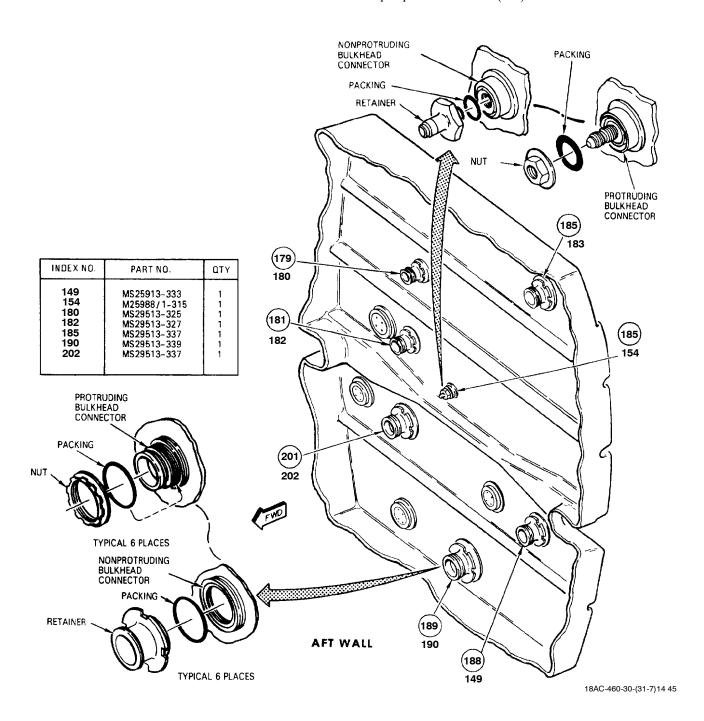
- d. Install packings (151), vent plugs and washers (155). Torque vent plugs (155) 10 to 25 inch-pounds above running torque after metal to metal contact. (QA)
- e. Install packings (194) and adapters (152). Torque adapters (152) 70 to 90 inchpounds. (QA)



18AC-460-30-(31-6)14 33

f. Install packings (149, 154, 180, 182, 185, 190 and 202).

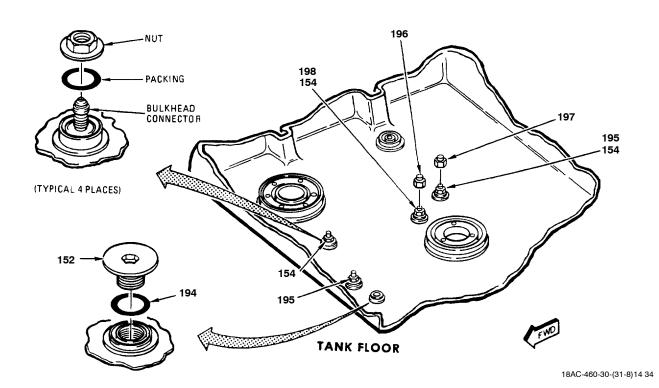
g. Install nuts or retainers (179, 181, 183, 185, 188, 189 and 201) and verify running torque and final torque per WP013 00. (QA)



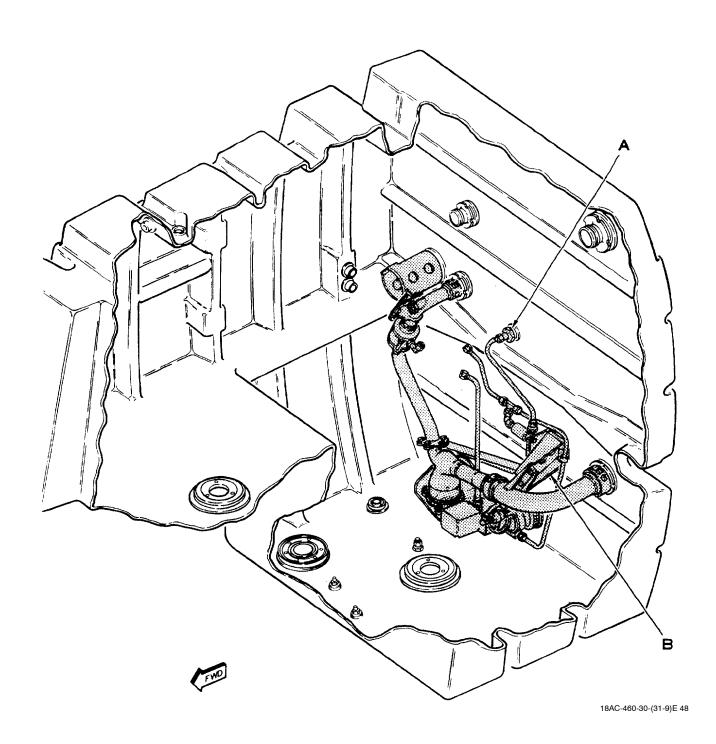
- h. Install packing (194) and adapter (152). Torque adapter (152) 70 to 90 inch-pounds. (QA)
- i. Install packing (154), nuts (195 and 198), cap (196) and verify running torque and final torque of nuts per WP013 00. (QA)

j. On 162402 AND UP; ALSO 161354 THRU 161987 AFTER F/A-18 AFC 53, install cap (197).

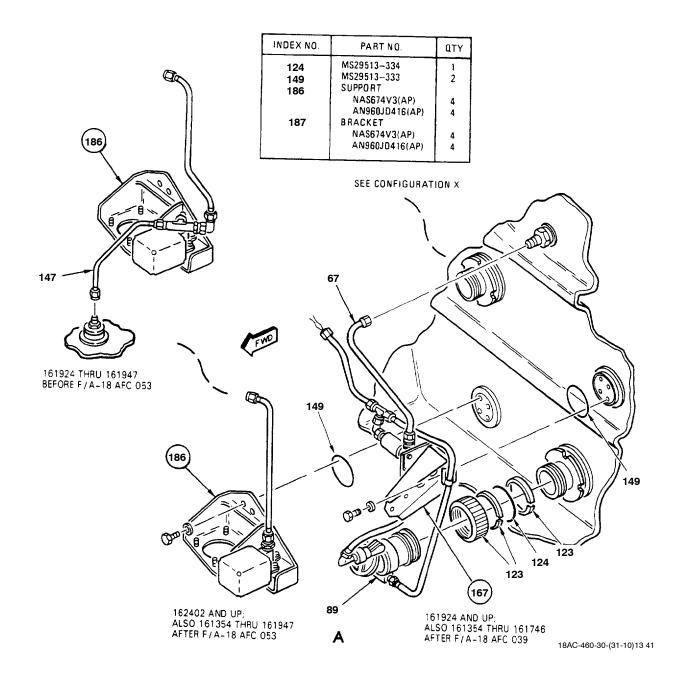
1	INDEX NO.	PART NO.	QTY
	154 194	M25988/1-315 M529513-213	4



5. **SEQUENCE 3**.



- a. Prepare mating surfaces of bracket (187), support (186) and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. On 161924 AND UP; ALSO 161354 THRU 161746 AFTER F/A-18 AFC 39, install packings (124 and 149), bracket (187) and valve (89). Connect tube (67) and tighten nut assembly (123) handtight.
- c. On 161924 THRU 161947 BEFORE F/A-18 AFC 53, install packing (149) and support (186) assembly with attaching parts fingertight. Connect tube (147).
- d. On 162402 AND UP; ALSO 161354 THRU 161947 AFTER F/A-18 AFC 53, install packing (149) and support (186) assembly with attaching parts fingertight.



18AC-460-30-(31-11)13 34

- e. On 161704 THRU 161746 BEFORE F/A-18 AFC 39 AND F/A-18 AFC 53, do substeps below:
- (1) Prepare mating surfaces of support (186) and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- (2) Install packings (124 and 149), support (186) and valve (89) assembly with attaching parts fingertight. Tighten nut assembly (123) handtight.
 - (3) Connect tubes (86 and 147).

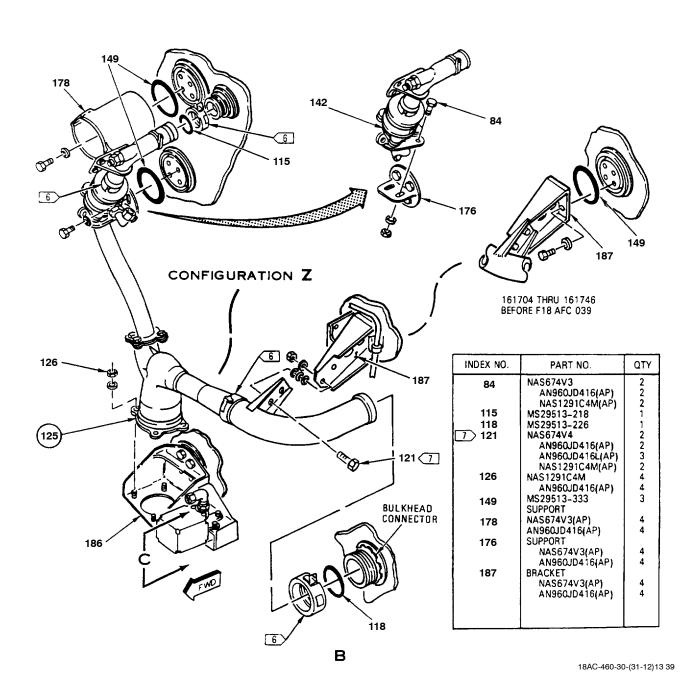
INDEX NO.	PART NO.	QTY		
124 149 186	M\$29513-334 M\$29513-333 SUPPORT NAS674V3 (AP) AN960JD416 (AP)	1 1 4 4		
		86		
		G		149
	186			
	147	On B		123
	EWD		89 161704 THRU 161746 BEFORE F/A-18 AFC 039 AND F/A-18 AFC 053	123
		_	CONFIGURATION X	18AC-460-30-(31

- f. Prepare mating surfaces of bracket (187), ejector (125), supports (176 and 178) and structure for electrical bond at one bolt connection (A1-F18AC-LMM-000).
 - g. Install packings (115, 118 and 149).

NOTE

A maximum of three washers may be added between bracket (187) and tube flange at one

- bolt (121) location to improve alignment to ejector (125).
- h. Install supports (176 and 178), valve (142) and ejector (125) assembly and tighten all attaching parts after adjusting support (186) per detail C.
- i. On 161704 THRU 161746 BEFORE F/A-18 AFC 39, install bracket (187) attaching parts.



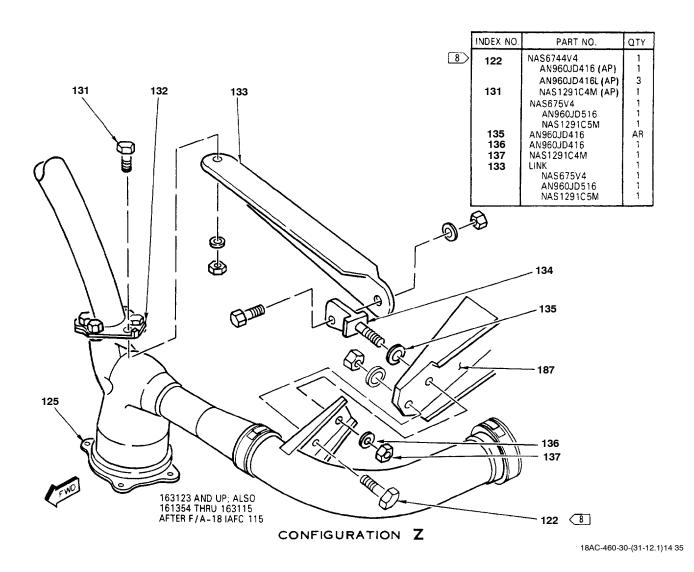
- j. On 163123 AND UP, also on 161354 THRU 163115 AFTER F/A-18 IAFC 115, install link (133) per substeps below:
- (1) Install link (133) to plate (132) using bolt (131). Install washer and nut finger tight.

NOTE

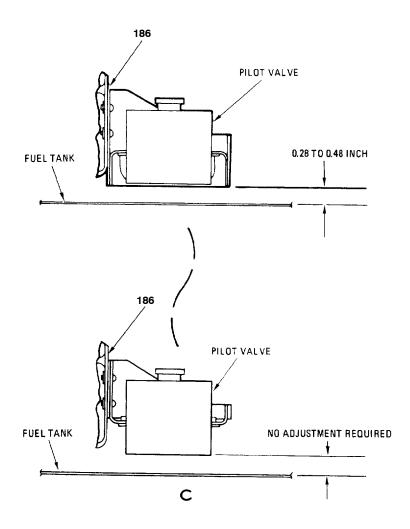
A maximum of six washers may be used for shimming between support and eyebolt.

(2) Install six washers (135) on eyebolt (134).

- (3) Insert eyebolt (134) through support (125). If hole in link (133) aligns with hole in eyebolt (134), install bolt, washer, and nut. If holes do not align, remove as many washers (135) as required so hole in link and hole in eyebolt do align. Install bolt, washer, and nut.
- (4) Install washer (136) and nut (137) on eyebolt (134). Torque nut 50 to 60 inch pounds. (QA)
 - (5) Tighten bolt (131).

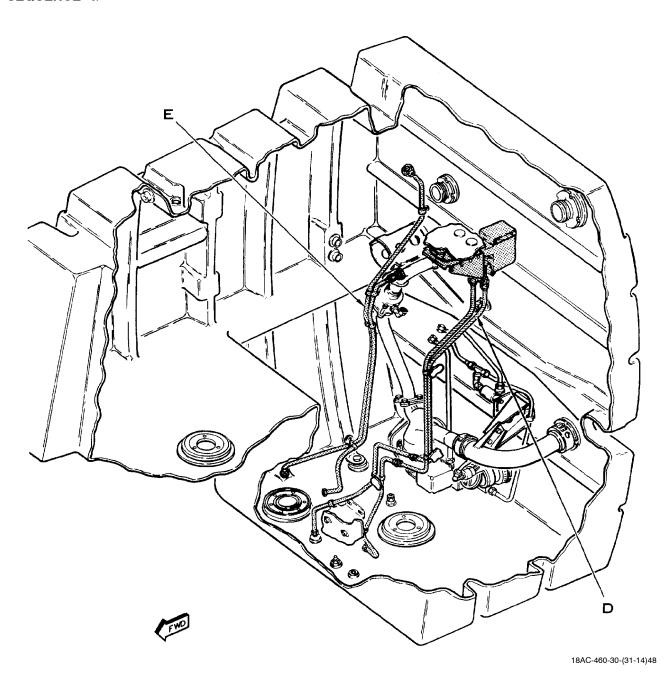


k. Adjust support (186), if required, so clearance is as shown below. Tighten support (186) bolts.

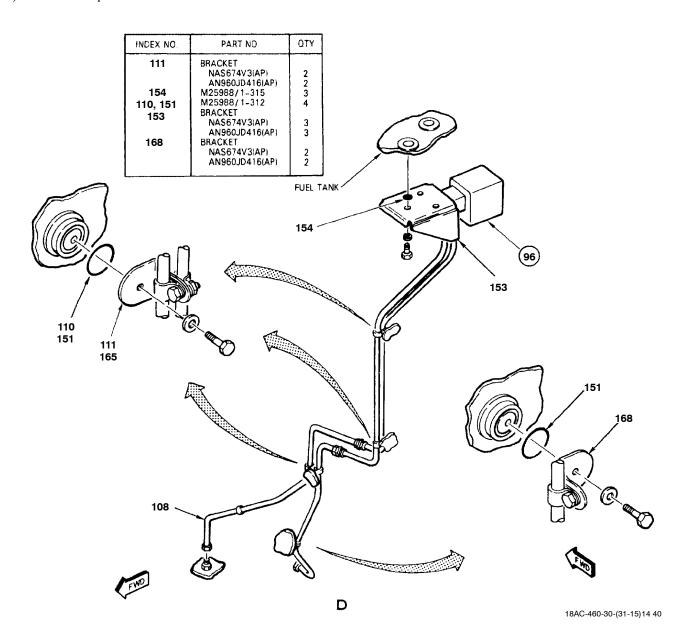


18AC-460-30-(31-13)33

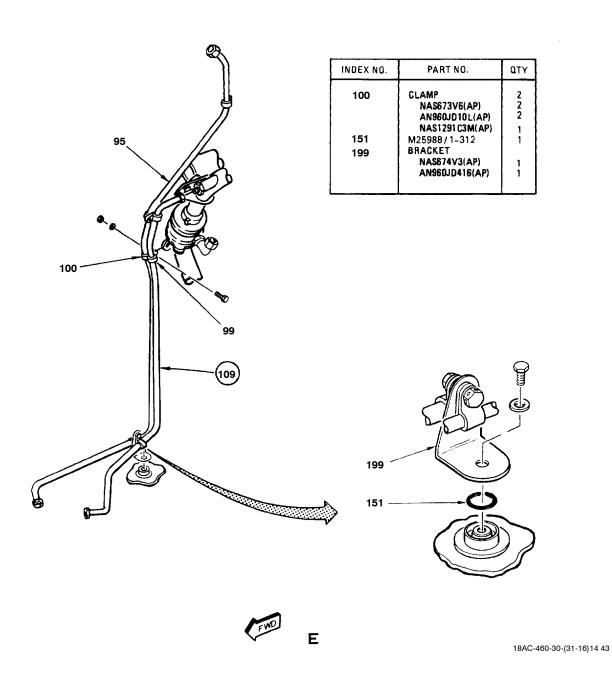
6. SEQUENCE 4.



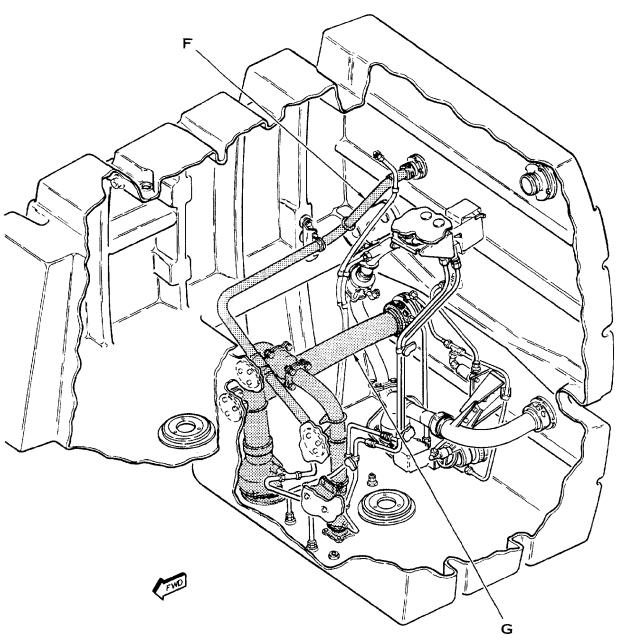
- a. Prepare mating surfaces of bracket (153), and bulkhead fittings for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. Install packings (110, 151 and 154) and valve (96) with related parts.
- c. Connect tube (108) and install attaching parts to brackets (111 and 168).



d. Install tubes (95 and 109), packing (151), bracket (199), and clamps (99 and 100) attaching parts.

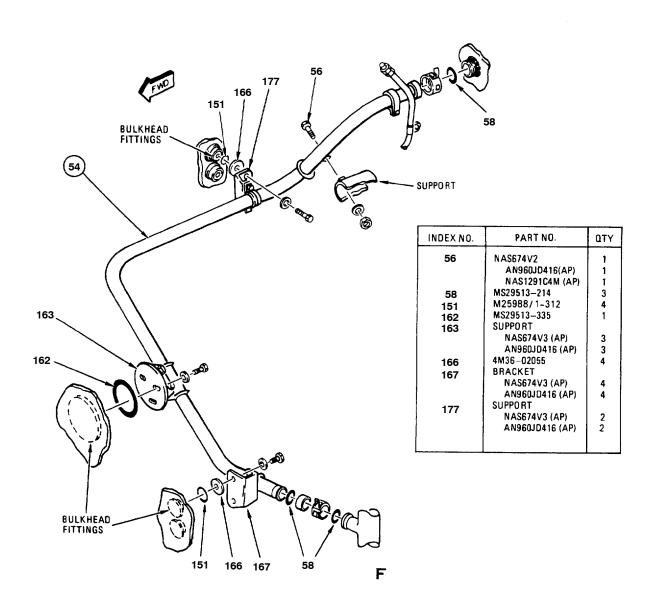


7. SEQUENCE 5.



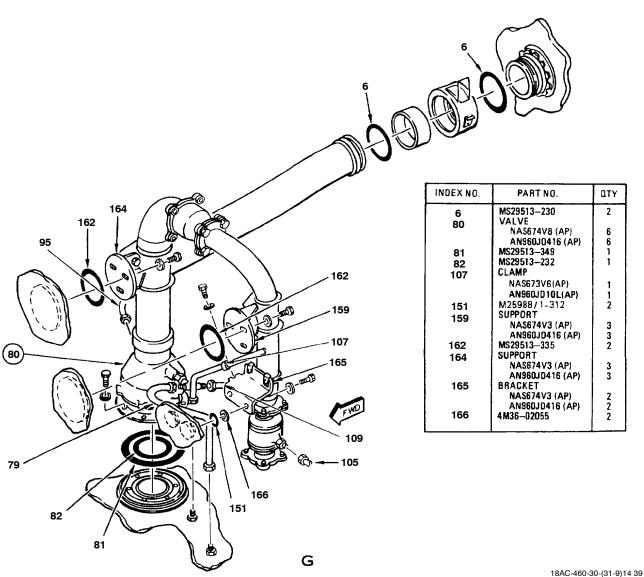
18AC-460-30-(31-17)48

- a. Prepare mating surfaces of bracket (167), supports (163 and 177), and bulkhead fittings for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. Install packings (58, 151 and 162), tube (54) and related parts.

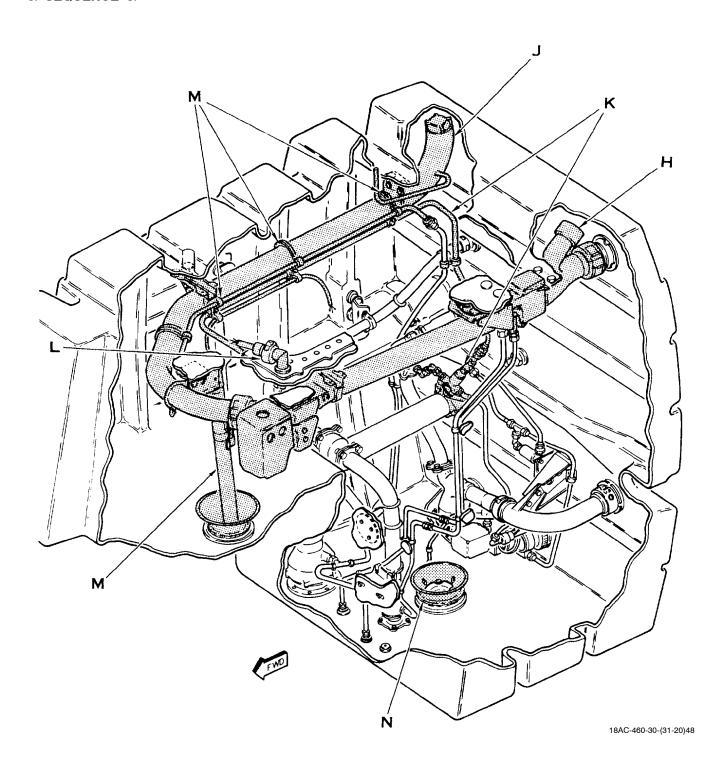


18AC-460-30-(31-18)14 37

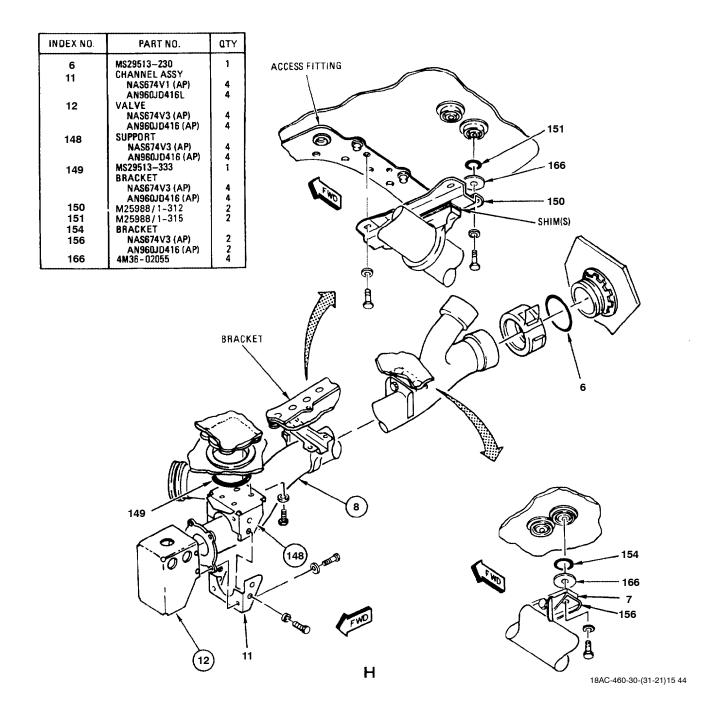
- c. Prepare mating surfaces of valve (80), supports (159 and 164), and bracket (165) for electrical bond at one bolt connection (A1-F18AC-LMM-000).
 - d. Install packings (6, 81, 82, 151 and 162).
- e. Position valve (80) and related parts and install attaching parts to support (159 and 164), bracket (165) and valve (88).
- f. Connect tubes (95, 105 and 109) and install tube (79), and clamp (107) attaching parts.



8. SEQUENCE 6.

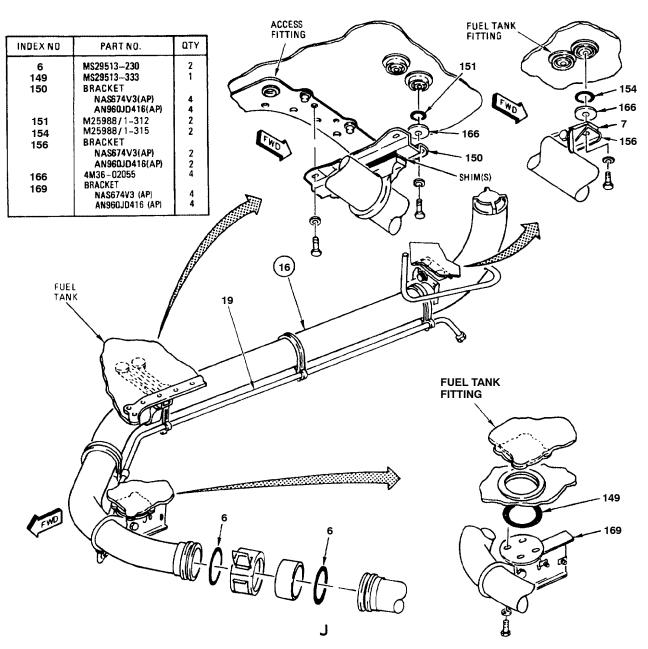


- a. Prepare mating surfaces of fuel tank access fitting, valve (12), support (148), channel (11) and brackets (150 and 156) for electrical bond at one bolt connection (A1-F18AC-LMM-000).
- b. Install packings (6, 149, 151 and 154), support (148) and attaching parts.
- c. Install tube (8), valve (12), brackets (150 and 156), channel (11), shims (7) as required, and attaching parts.
- d. Torque valve (12) bolts 20 to 30 inch-pounds (QA).



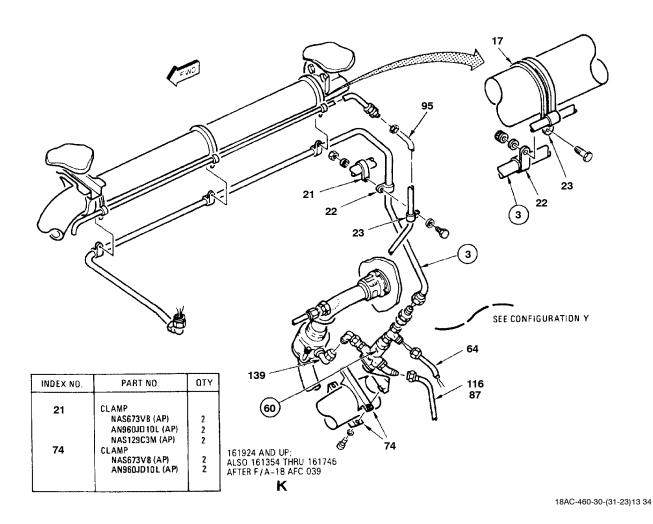
e. Prepare mating surfaces of fuel tank access fitting and bracket (150, 156 and 169) for electrical bond at one bolt connection (A1-F18AC-LMM-000).

f. Install packings (6, 149, 151 and 154), tubes (16 and 19), shims (7) as required and attaching parts to brackets (150, 156 and 169).



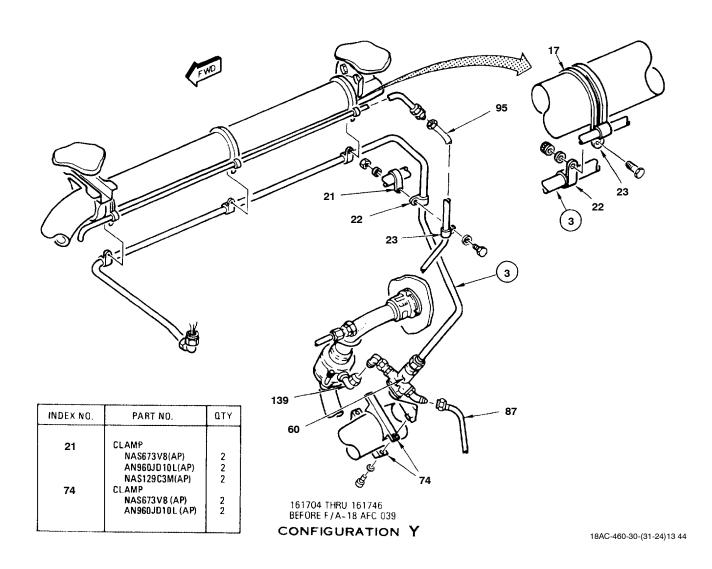
18AC-460-30-(31-22)15 42

- g. On 161924 AND UP; ALSO 161354 THRU 161746 AFTER F/A-18 AFC 39, do substeps below:
- (1) Push tube (64) wires through valve (60) assembly separately and install valve (60). Connect tubes (64 and 116 or 82) and elbow (139). Torque tube (64) 130 to 180 inch-pounds. (QA)
- (2) Position tube (3), and push wires thorough tube (3) separately.
- (3) Connect tube (3) at valve (60) assembly and connect tube (95). Torque tube (3) 300 to 400 inchpounds. (QA)
- (4) Connect or install clamps (17, 21, 22, 23 and 74) and attaching parts.



- h. On 161704 THRU 161746 BEFORE F/A-18 AFC 39, do substeps below:
- (1) Carefully lower valve (60) and tube (3) into tank and install clamp (74).
- $(2) \ Connect \ tube \ (87) \ and \ elbow \ (139) \ to \ valve \ (60).$

- (3) Connect tube (95).
- (4) Connect clamps (17, 21, 22 and 23). Install attaching parts.



i. Push wires through adapter nut (43) and elbow (39) separately.





Technical Petrolatum, VV-P-236

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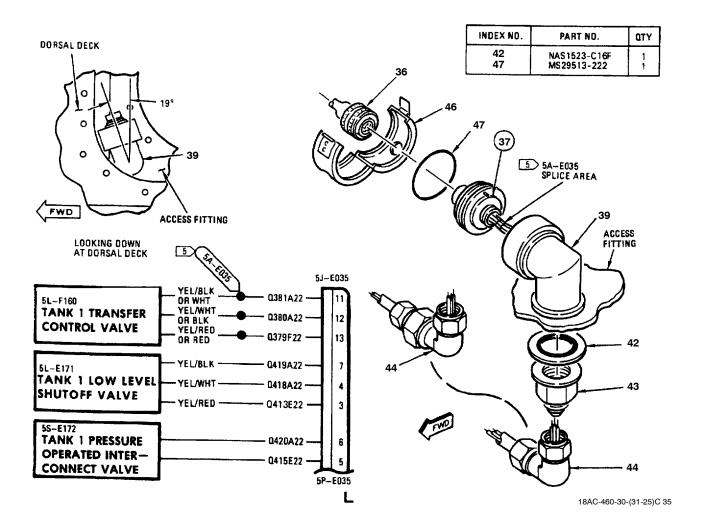
CAUTION

To prevent damage to elbow when installing access cover, make sure elbow is rotated forward 19° as shown.

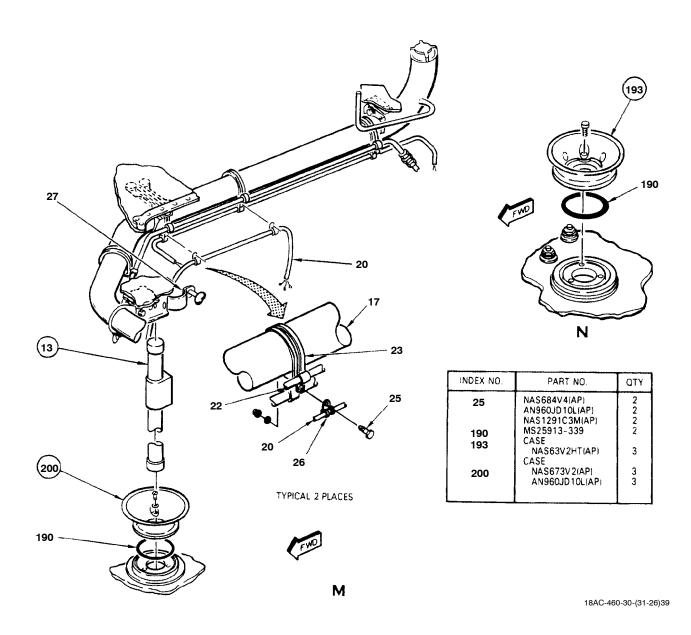
When installing new adapter nut, lubricate thread patch with thin coat of Petrolatum to prevent thread galling.

To prevent damage to the alignment key on elbow (39), do not allow elbow (39) to rotate when removing nut (43).

- j. Install packing (42), adapter nut (43) and connect elbow (44). Torque nut (43) and elbow (44) 70 to 90 inch-pounds. (QA)
- k. Connect wires to receptacle or at 5A-E035 splice area (161704 THRU 161746), as applicable (A1-F18AC-WRM-000). Make sure transfer shutoff valve and low level shutoff valve are correctly connected.
- 1. Install packing (47), receptacle (37) assembly and coupling (46).
 - m. Connect connector (36).



- n. Prepare mating surface of cases (193 and 200) bolts for electrical bond at one bolt connection (Al-F18AC-LMM-000).
 - o. Install packings (190) and cases (193 and 200).
- p. Install transmitter (13) with cable assembly (20) and close clamp (27).
- q. Install or connect clamps (17, 22, 23 and 26) and attaching parts.



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- r. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01). (QA)
 - s. Install access cover (WP004 00).
- t. Connect both utility and emergency battery connectors (WP013 00) and remove no-power tag from external power receptacle.
- u. Refuel aircraft (A1-F18AC-PCM-000). Let stand 24 hours and inspect for leaks at cavity drain.
- v. Do internal fuel transfer and engine fuel supply system test (A1-F18AC-460-200, WP012 00).

1 May 2001 Page 1/(2 blank)

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

IPB - NO. 1 FUEL TANK (5CAC611)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18B

Title	WP Number
IPB - No. 1 Fuel Tank - 161354 THRU 161360 BEFORE F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115	016 01
IPB - No. 1 Fuel Tank - 161704 AND UP; ALSO 161354 THRU 161360 AFTER F/A-18 AFC 39, F/A-18 AFC 53, AND F/A-18 IAFC 115	016 02

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ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

IPB - NO. 1 FUEL TANK (5CAC611)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18B 161354 THRU 161360 BEFORE F/A-18 AFC 39, F/A-18 AFC 53 AND F/A-18 IAFC 115

Record of Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings With Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-

1. ILLUSTRATED PARTS BREAKDOWN.

- 2. Removal procedure for No. 1 Fuel Tank F/A-18B is in WP014 01. Index numbers in this WP match those in WP014 01.
- 3. Installation procedure for No. 1 Fuel Tank F/A-18B is in WP015 01. Index numbers in this WP match those in WP015 01.
- 4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

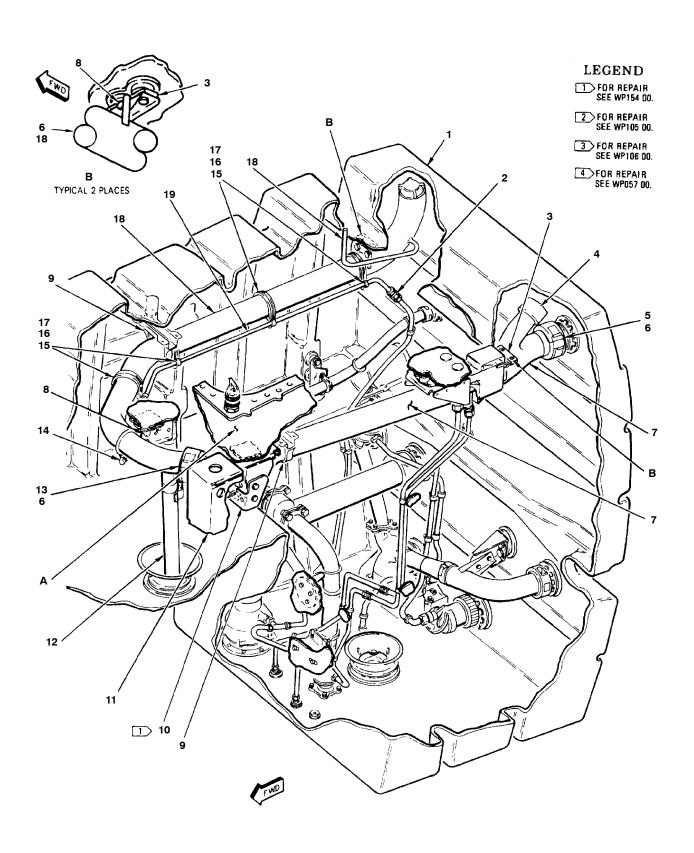


Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 1)

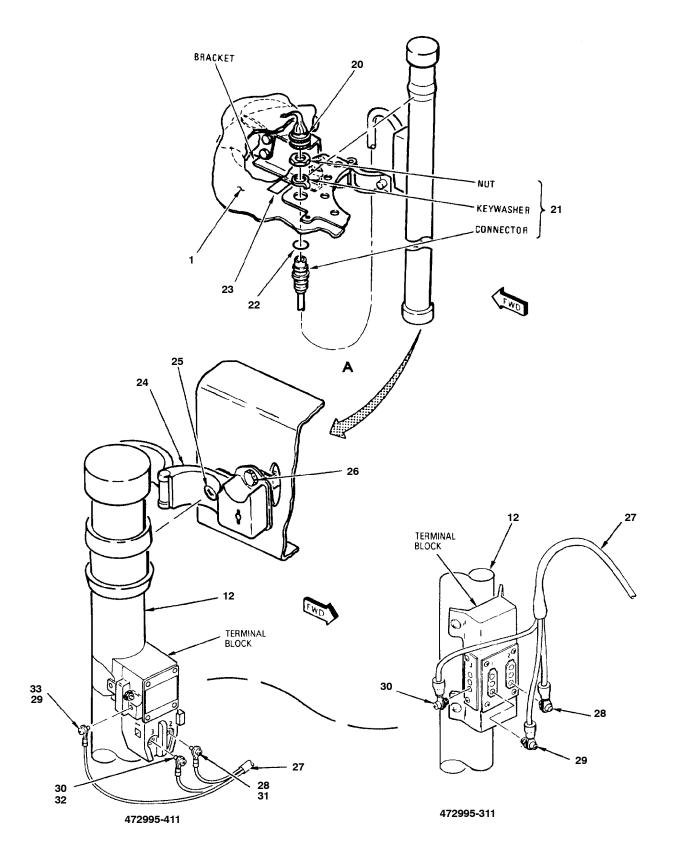


Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 2)

18AC-460-30-(32-2)A

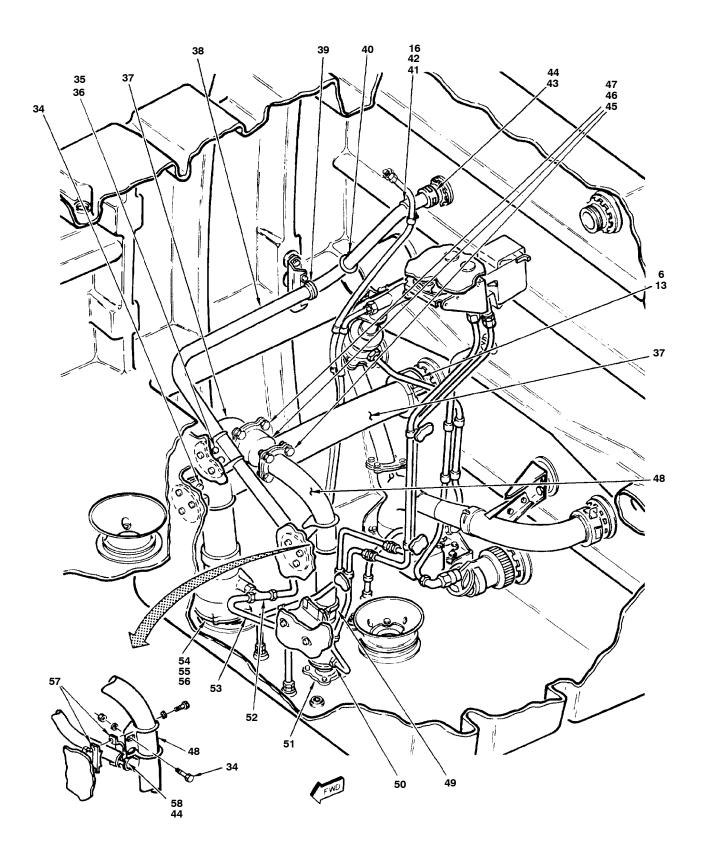


Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 3)

18AC-460-30-(32-3)

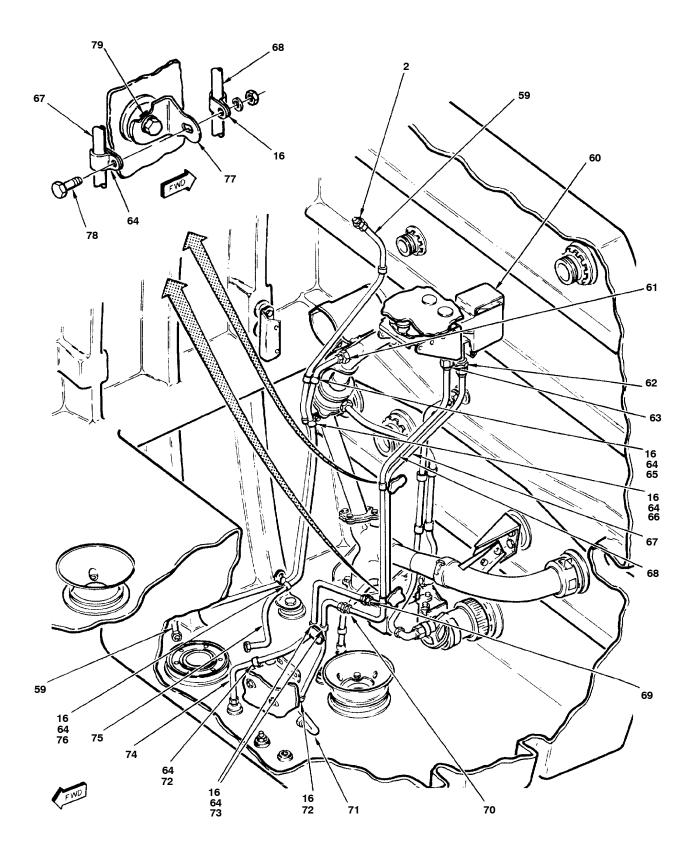


Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 4)

18AC-460-30-(32-4)

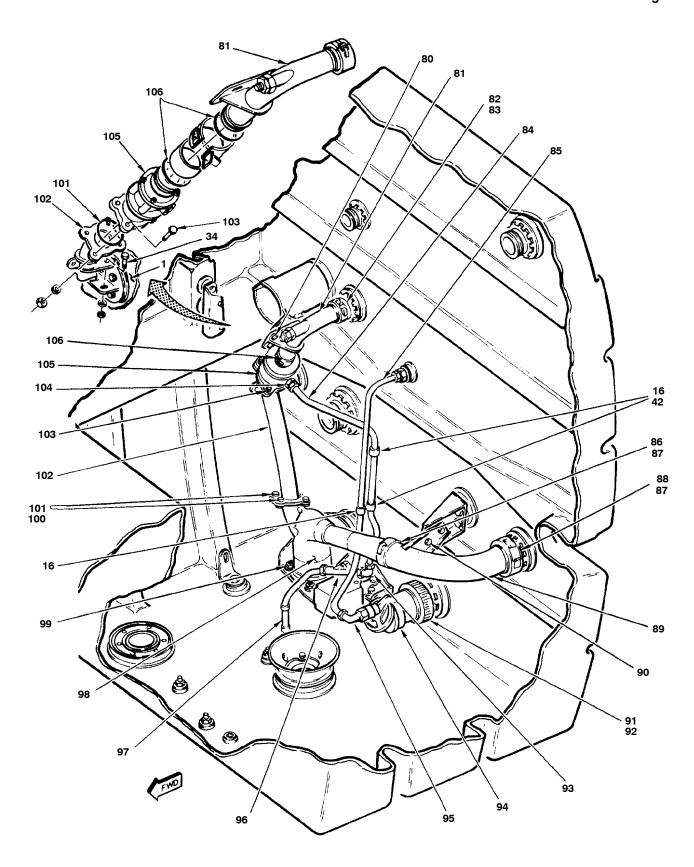


Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 5)

18AC-460-30-(32-5)A

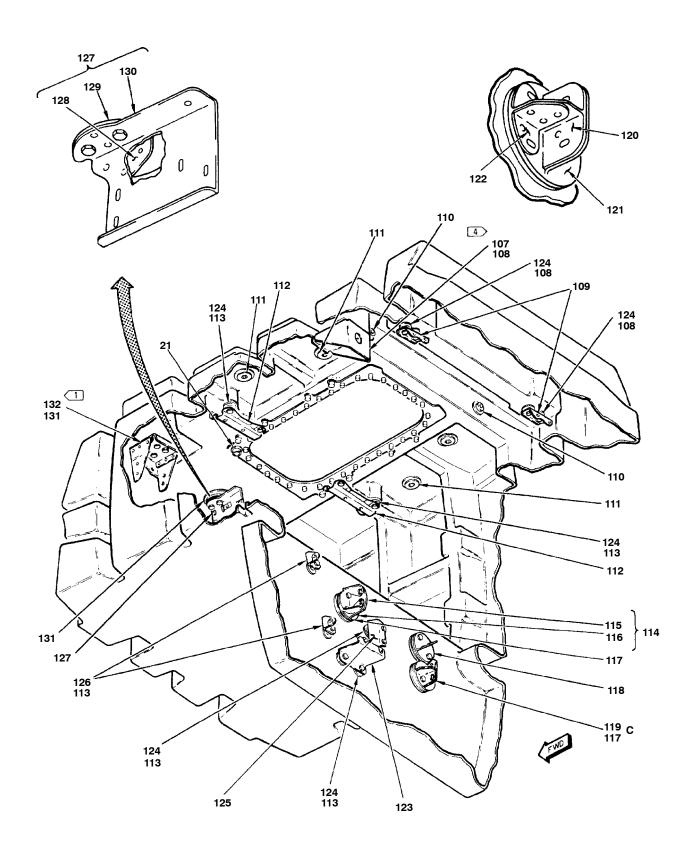


Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 6)

18AC-460-30-(32-6)B

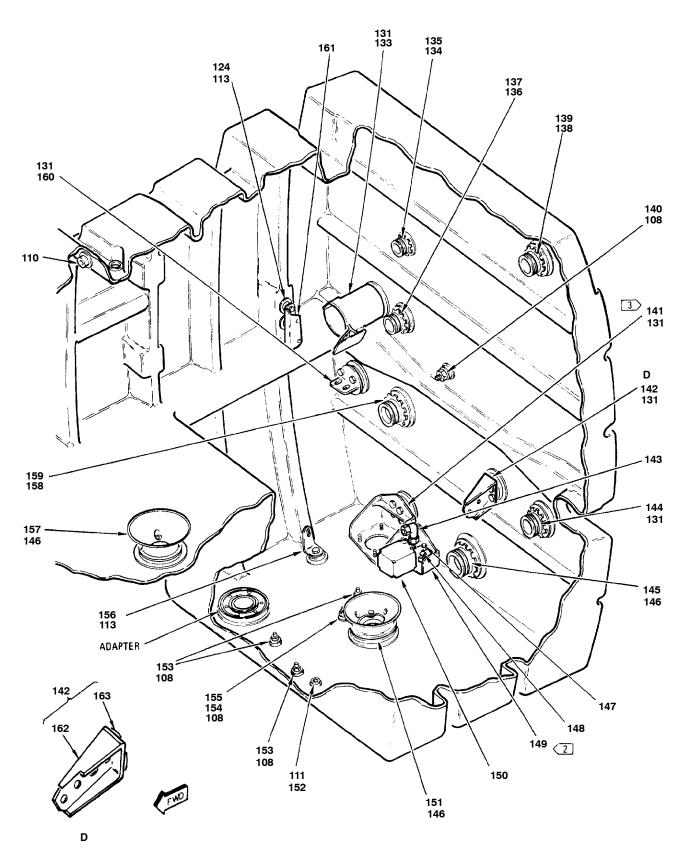


Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 7)

18AC-460-30-(32-7)B

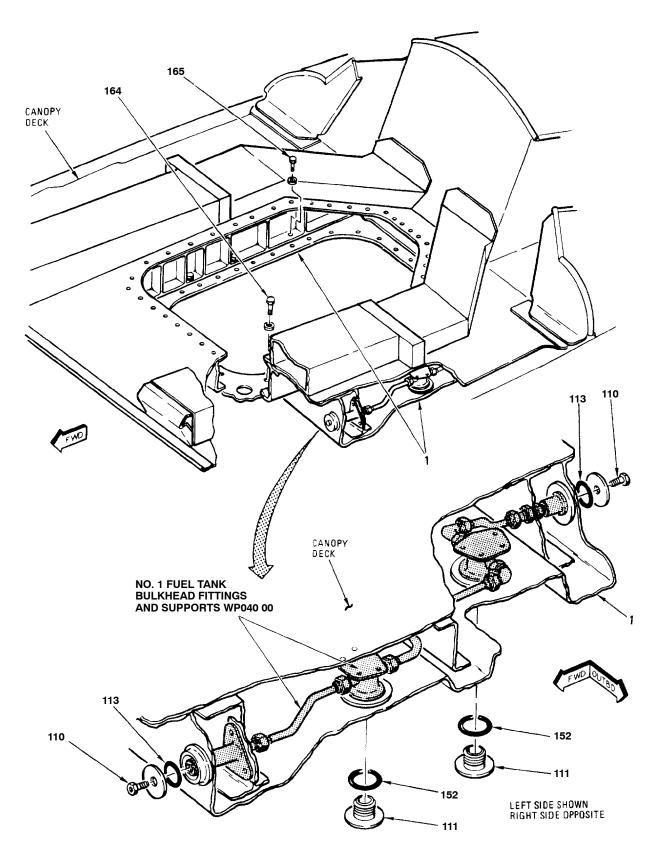


Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 8)

18AC-460-30-(32-8)

	1		1		, , , , , ,
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 1 FUEL TANK (5CAC611) (PARTS KIT AVAILABLE) F/A-18B (PARTS KIT AVAILABLE)			
1	62000-3	. TANK, FUEL, AIRCRAFT - FUSELAGE,	1	*	PAODD
	FCR-63254	. SEE ABOVE (00333)	1	*	PAODD
	62000-5 @	SEE ABOVE (05476) (MCDONNELL	1	*	PAODD
	FCR-64993 @	. SEE ABOVE (00333)	1	*	PAODD
2	7M6378D-6D	. NIPPLE (76301)	1		PAOZZ
3	74A580699-2001	. SHIM (76301) (BETWEEN TUBE	AR		MGOZZ
3	/4A360099-2001	BRACKET AND TANK) (2 PLACES) (MAXIMUM OF 3 SHIMS EACH PLACE)	AK		MGOZZ
4	P72-533	. VALVE, CHECK (NO. 1 FUEL TANK	1		PAOZZ
	W702-24D	. NUT ASSEMBLY, TUBE COUPLING	1	*	PAOZZ
	12H72-24A	. SEE ABOVE (24984)	1	*	PAOZZ
	MS29513-326	. PACKING (USE WITH INDEX 4)	2		PAOZZ
5	W904K40DE	COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M765-40D-1)	4		PAOZZ
	14C12-40A	. COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M765-40D-1)	4		PAOZZ
	W904F40DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M550-40D-1)	4	*	PAOZZ
6	MS29513-230	. PACKING	5		PAOZZ
7	74A582132-1007	TUBE ASSY, BRANCHED - VENT, TANK NO. 1, OUT, TF-18A (76301) (SUPERSEDES 74A582132-1005)	1		XBOZZ
8	NAS674V2	. BOLT	6		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 8)	6		PAOZZ
9	NAS1787A40G	. CLAMP	2		PAOZZ
	NAS673V9	BOLT (AP)	2		PAOZZ
		WASHER (AP)	2		PAOZZ
	AN960JD10L 74A580699-2001	SHIM (76301) (USE WITH INDEX 9) (BETWEEN CLAMP AND BRACKET) (2 PLACES) (MAXIMUM OF 3 SHIMS EACH PLACE)	AR		MGOZZ
10	74A582027-2003	CHANNEL ASSEMBLY (76301) (FOR	1		XBOOG
	NAS674V1	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 9)

	1					
INDEX NO.	PART NUMBER	1 2	DESCRIPTION 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
11	742100-103	. VA	ALVE, FLOAT, AIRCRAFT - CLIMB	1		PAOZZ
	NAS674V3	. В	OLT (AP)	4		PAOZZ
	AN960JD416		ASHER (AP)	4		PAOZZ
12	472995-411		RANSMITTER, LIQUID QUANTITY TANK NO. 1 FORWARD (NO. 1 FUEL TANK FORWARD FUEL QUANTITY TRANSMITTER) (89305) (MCDONNELL SPEC 74-580056-223) (5A-E028)	1		PAOZZ
	472995-311	. TI	RANSMITTER, LIQUID QUANTITY TANK NO. 1 FORWARD (NO. 1 FUEL TANK FORWARD FUEL QUANTITY TRANSMITTER) (89305) (MCDONNELL SPEC 74-580056-223) (5A-E028)	1	*	PAOZZ
13	W901K40DE	. C0	OUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	1		PAOZZ
	14J12-40A	. C0	OUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M764-40D) (INCLUDES SLEEVE)	1		PAOZZ
	W901F40DE	. C0	OUPLING, CLAMP, GROOVED(79326) (MCDONNELL SPEC 7M550-40D) (INCLUDES SLEEVE)	1	*	PAOZZ
14	7M637BW-6D	. EI	LBOW (76301)	1		PAOZZ
	MS29512-06	. PA	ACKING (USE WITH INDEX 14)	1		PAOZZ
	MS28773-06		ETAINER (USE WITH INDEX 14)	1		PAOZZ
	AN6289D6	. N	UT (USE WITH INDEX 14)	1		PAOZZ
15	MS21919WDF40	. CI	LAMP	4		PAOZZ
16	NMC-ST9M529-6	. CI	LAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-6)	17		PAOZZ
17	NAS673V4	. ВС	OLT	4		PAOZZ
	AN960JD10L	. W	ASHER (USE WITH INDEX 17)	4		PAOZZ
	NAS1291C3M	. N	UT (USE WITH INDEX 17)	4		PAOZZ
18	74A582131-1011	. TU	UBE ASSEMBLY, BRANCHED - VENT, TF-18A TANK NO. 1, OPEN END (76301) (SUPERSEDES 74A582131-1009)	1		XBOZZ
19	74A582133-1001	. TU	UBE ASSEMBLY, METAL VENT/SCAVENGE, Y354.742 (76301)	1		MGOZZ
20	MS27467T11B35S		ONNECTOR, PLUG (5P-E035)	1		PAOZZ
21	10-550598-35P	. C0	ONNECTOR, RECEPTACLE (77820) (MCDONNELL SPEC ST5M1473-11-35P) (5J-F035)	1	*	PAOZZ
	18530	. C0	ONNECTOR, RECEPTACLE (97814) (MCDONNELL SPEC ST5M1473-11-35P) (5J-F035)	1	*	PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 10)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	l				
	S8202H11B35P	CONNECTOR, RECEPTACLE (12349) (MCDONNELL SPEC ST5M1473-11-35P) (5J-F035)	1	*	PAOZZ
22	M25988/2-116	. PACKING	1		XAOZZ
23	74A890601-2819	. MARKER, ELECTRICAL	1		MDOZZ
24	7C34-24-2A	. CLAMP, QUICK RELEASE (71286) (MCDONNELL SPEC ST9M427W24)	1		PAOZZ
25	NAS663V2HT	. SCREW	1		PAOZZ
	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL	1	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 25)	1	*	PAOZZ
26	NAS673V2	. BOLT	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 26)	1		PAOZZ
	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 26)	1	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 26)	1	*	PAOZZ
27	74A753324-9BAA	. CABLE ASSEMBLY, ELECTRICAL FORWARD FUSELAGE (76301) (FOR WIRING REPAIR SEE A1-F18AC-WRM-000)	1		XBOOO
28	466604-008	SCREW, EXTERNALLY RELIEVED	1	*	PAOZZ
	MA3560-5	SCREW, EXTERNALLY RELIEVED	1	*	PAOZZ
	1AM121070-5	. SEE ABOVE (58251)	1	*	PAOZZ
	FIT7043-5	. SEE ABOVE (58998)	1	*	PAOZZ
	396648	. WASHER, CONICAL (89305) (MCDONNELL SPEC ST4M159-08) (UNDER LUG) (USE WITH INDEX 28)	1	*	PAOZZ
	448-3-2	. SEE ABOVE (86968)	1	*	PAOZZ
29	466604-006	. SCREW, EXTERNALLY RELIEVED	1	*	PAOZZ
	MA3560-4	SCREW, EXTERNALLY RELIEVED	1	*	PAOZZ
	1AM121070-4	. SEE ABOVE (58251)	1	*	PAOZZ
	FIT7043-4	. SEE ABOVE (58998)	1	*	PAOZZ
	396973	WASHER, CONICAL (89305)(MCDONNELL SPEC ST4M159-06) (UNDER LUG) (USE WITH INDEX 29)	1	*	PAOZZ
	448-3-1	. SEE ABOVE (86968)	1	*	PAOZZ
30	466604-010	. SCREW, EXTERNALLY RELIEVED	1	*	PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 11)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	1		1		
	MA3560-6	SCREW, EXTERNALLY RELIEVED	1	*	PAOZZ
	1AM121070-6	. SEE ABOVE (58251)	1	*	PAOZZ
	FIT7043-6	. SEE ABOVE (58998)	1	*	PAOZZ
	396974	WASHER (89305) (MCDONNELL SPECST4M159-3) (UNDER LUG) (USE WITH INDEX 30)	1	*	PAOZZ
	448-3-3	. SEE ABOVE (86968)	1	*	PAOZZ
31	AN960C8 +	. WASHER	2		PAOZZ
32	AN960C10L +	. WASHER	1		PAOZZ
33	NAS620C6 +	WASHER	2		PAOZZ
34	NAS674V3	BOLT	6		PAOZZ
34					
	AN960JD416	. WASHER (USE WITH INDEX 34)	6		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 34)	6		PAOZZ
35	NAS673V3	. BOLT	2		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 35)	2		PAOZZ
36	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M)	2	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M)	2	*	PAOZZ
37	74A582004-1005	TUBE ASSEMBLY - REFUEL FILL TANK NO. 1 (76301) (SUPERSEDES 74A582004-1003)	1		XBOZZ
38	74A582020-1005	TUBE ASSEMBLY - WING TRANSFER, TANK NO. 1 (76301) (SUPERSEDES 74A582020-1003)	1		XBOZZ
39	ST9M620A16	. CLAMP, TUBE SUPPORT (STRAP AND BASE) (03296) (MCDONNELL SPEC ST9M620A16)	1		PAOZZ
	NAS673V5	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP) (UNDER BOLT AND	4		PAOZZ
	NAS1291C3M	. NUT (AP)	2		PAOZZ
40	NAS674V2	. BOLT	1		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 40)	1		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 40)	1		PAOZZ
41	NMC-ST9M529-16	CLAMP, LOOP (03296) (MCDONNELL	1		PAOZZ
42	NAS673V5	BOLT	3		PAOZZ
72	AN960JD10L	. WASHER (USE WITH INDEX 42)	4		PAOZZ
		. NUT (USE WITH INDEX 42)	3		PAOZZ
43	NAS1291C3M W901K16DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC	1		PAOZZ
	14C12-16A	7M765-16D-1) COUPLING, CLAMP, GROOVED (HALF)	1		PAOZZ
	W901F16DE	7M765-16D-1) . COUPLING, CLAMP, GROOVED (HALF)	1	*	PAOZZ
44	MS29513-214	PACKING	3		PAOZZ
45	2760121-105	VALVE, CHECK - FUEL, LARGE LINE	1		I WELL

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 12)

INDEX NO.	PART NUMBER	DESCRIPTION	JNITS PER ASSY	USE ON CODE	SM&R CODE
	27(0121 102	OFF A POWE ANGRONNIEW CREG	4		DA 627
	2760121-103	SEE ABOVE (MCDONNELL SPEC74-580149-111)	1		PAOZZ
	2760121-101	SEE ABOVE (MCDONNELL SPEC74-580149-105)	1	*	PAOZZ
	MS29513-224	. PACKING (USE WITH INDEX 45)	1		PAOZZ
46	NAS674V5	. BOLT	8		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 46)	8		PAOZZ
47	MS29513-229	. PACKING	1		PAOZZ
48	74A581004-1003	. TUBE ASSEMBLY - REFUEL FILL,	1		XBOZZ
49	NAS1787A24G	. CLAMP	1		PAOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
50	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 50)	1		PAOZZ
51	2760113-113	VALVE, CHECK - REFUEL LEVEL (NO. 1 FUEL TANK FUEL LEVEL CONTROL SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580108-223) (5VAP541)	1		PAOZZ
	2760113-111	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2760113-109	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2760113-107	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	MS29513-224	. PACKING (USE WITH INDEX 51)	1		PAOZZ
	74A581029-2001	. RESTRICTOR, FLUID FLOW	1		MGOZZ
52	7M637BX-4D	. TEE (76301)	1		PAOZZ
	AN6289D4	. NUT (USE WITH INDEX 52)	1		PAOZZ
	MS29512-04	. PACKING (USE WITH INDEX 52)	1		PAOZZ
	MS28773-04	. RETAINER (USE WITH INDEX 52)	1		PAOZZ
53	74A580661-1001	. TUBE ASSEMBLY, METAL - MOTIVE FLOW, Y359.615 (76301)	1		MGOZZ
54	40C132-3	. VALVE, SHUTOFF, REFUEL/DEFUEL (REFUEL/DEFUEL SHUTOFF VALVE) (82829) (MCDONNELL SPEC 74-580051-103) (5VAP533)	1		PAOZZ
	40C132-2	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS674V8	. BOLT (AP)	6		PAOZZ
	AN960JD416	. WASHER (AP)	6		PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 54)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 54)	1		PAOZZ
55	MS29513-349	. PACKING	1		PAOZZ
56	MS29513-232	. PACKING	1		PAOZZ
57	ST9M620A16	. CLAMP, TUBE SUPPORT (STRAP ANDBASE) (03296) (MCDONNELL SPEC ST9M620A16)	1		PAOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
58	W901K16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 13)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	<u> </u>	1	<u> </u>		<u> </u>
	14J12-16A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	1		PAOZZ
	W901F16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-16D) (INCLUDES SLEEVE)	1	*	PAOZZ
59	74A582165-1001	. TUBE ASSEMBLY, METAL	1		MGOZZ
60	2800095-101	VALVE, FLOAT, AIRCRAFT - PILOT REFUEL LEVEL (NO. 1 FUEL TANK HIGH LEVEL PILOT VALVE) (92003) (MCDONNELL SPEC 74-580108-221) (5VAP539)	1		PAOZZ
	2800018-101	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS674V2	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
61	7M637BD-4D	. NIPPLE (76301)			PAOZZ
62	7M637BD-4D	. NIPPLE (76301)			PAOZZ
	MS29512-04	. PACKING (USE WITH INDEX 62)			PAOZZ
63	7M637BD-6D	. NIPPLE (76301)			PAOZZ
03	MS29512-06	PACKING (USE WITH INDEX 63)			PAOZZ
64	NMC-ST9M529-4	. CLAMP, LOOP (03296) (MCDONNELL			PAOZZ
		SPEC ST9M529-4)			
65	NAS673V6	. BOLT			PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 65)			PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 65)	1		PAOZZ
66	NAS673V6	. BOLT	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 66)	1		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 66)	1		PAOZZ
67	74A582135-1001	TUBE ASSEMBLY, METAL	1		MGOZZ
68	74A582134-1001	TUBE ASSEMBLY, METAL - HIGH LEVEL SENSING, Y359.730 (76301)	1		MGOZZ
69	7M637BD-4D	. NIPPLE (76301)	1		PAOZZ
70	7M637BD-6D	. NIPPLE (76301)			PAOZZ
71	74A582137-1001	. TUBE ASSEMBLY, METAL - SENSING,			MGOZZ
72	NA GC72N4	Y359.367 (76301)	2		DA 0.77
72	NAS673V4	BOLT			PAOZZ
72	AN960JD10L	. WASHER (USE WITH INDEX 72)			PAOZZ
73	NAS673V6	BOLT			PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 73)			PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 73)			PAOZZ
74	74A582136-1003	TUBE ASSEMBLY, METAL	1		MGOZZ
75	74A582016-1001	. TUBE ASSEMBLY, METAL - M/F PRESS, Y373.732 (76301)	1		MGOZZ
76	NAS673V #	. BOLT	1		-
	AN960JD10L	. WASHER (USE WITH INDEX 76)			PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 76)			PAOZZ
77	74A582098-2001	BRACKET, ANGLE - TUBE ASSY			MGOZZ
.,	NAS674V3	SENSING, TANK NO. 1 (76301) BOLT (AP)			
		. ,			PAOZZ
	AN960JD416	WASHER (AP)			PAOZZ
	M25988/1-312	. PACKING (USE WITH INDEX 77)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 14)

			UNITS	USE	
INDEX NO.	PART NUMBER	DESCRIPTION	PER	ON	SM&R CODE
NO.	NOWBER	1 2 3 4 5 6 7	ASSY	CODE	CODE
78	NAS673V6	. BOLT	2		PAOZZ
76	AN960JD10L	. WASHER (USE WITH INDEX 78)	2		PAOZZ
	NAS1291C3M	NUT (USE WITH INDEX 78)	2		PAOZZ
79	M25988/1-312	PACKING	2		PAOZZ
80	NAS674V3	BOLT	4		PAOZZ
00	AN960JD416	. WASHER (USE WITH INDEX 80)	4		PAOZZ
	NAS1291C4M	NUT (USE WITH INDEX 80)	4		PAOZZ
81	74A582019-1005	. TUBE ASSEMBLY - ELBOW, MOTIVE	1		XBOZZ
01	, 11002015 1000	FLOW, TANK NO. 1, UPPER (76301) (SUPERSEDES 74A582019-1003)	1		ABGEE
	7M637BD-4D	. NIPPLE (76301) (USE WITH INDEX 81)	1		PAOZZ
	MS29512-04	. PACKING (USE WITH INDEX 81)	1		PAOZZ
82	W904K20DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M765-20D-1)	1	*	PAOZZ
	14C12-20A	. COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M765-20D-1)	1	*	PAOZZ
83	MS29513-218	. PACKING	1		PAOZZ
84	74A582159-1003	. TUBE ASSEMBLY, METAL - MOTIVE FLOW, Y380.41 (76301)	1		MGOZZ
85	74A582050-1003	. TUBE ASSEMBLY, METAL - MOTIVE	1		MGOZZ
86	W901K32DE	COUPLING, CLAMP, GROOVED(79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	1	*	PAOZZ
	14J12-32A	COUPLING, CLAMP, GROOVED(24984) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	1	*	PAOZZ
87	MS29513-226	. PACKING	3		PAOZZ
88	W904K32DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M765-32D-1)	1	*	PAOZZ
	14C12-32A	. COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M765-32D-1)	1	*	PAOZZ
89	74A582012-1007	. TUBE ASSEMBLY - ELBOW TRANSFER, TANK NO. 1 (76301)	1		PAOZZ
	74A582012-1005	. SEE ABOVE	1	*	PAOZZ
	74A582012-1003	. SEE ABOVE (SUPERSEDES	1	*	PAOZZ
90	NAS674V2	. BOLT	2		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 90)	2		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 90)	2		PAOZZ
	AN960JD416L ∅	. WASHER (BETWEEN TUBE FLANGE AND SUPPORT BRACKET) (USE WITH INDEX 90)	3		PAOZZ
91	W702-40D	NUT ASSEMBLY, TUBE COUPLING	1	*	PAOZZ
	12H72-40A	. SEE ABOVE (24984)	1	*	PAOZZ
92	MS29513-334	. PACKING	1		PAOZZ
93	7M148V6	. ELBOW (76301)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 15)

	1		1		
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1 2 3 4 3 0 7	7001	OODL	
	73.41.40D.4.6	EL DOW (7/201)	1	*	DA 077
94	7M148DA6 41400-105	. ELBOW (76301)			PAOZZ PAOZZ
		74-580110-105) (5VAP538)			
95	7M637BW-6D	. ELBOW (76301)	1		PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 95)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 95)	1		PAOZZ
	MS28773-06	. RETAINER (USE WITH INDEX 95)	1		PAOZZ
96	18-1200	VALVE, CONTROL (NO. 1 FUEL TANK TRANSFER PRECHECK VALVE) (96736) (MCDONNELL SPEC 74B580184-103)	1	*	PAOZZ
	2770221-103	VALVE, FLOW CONTROL (NO. 1 FUEL TANK TRANSFER PRECHECK VALVE) (92003) (MCDONNELL SPEC 74B580184-103) (5VAP606)	1	*	PAOZZ
	2770221-101	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
97	74A582160-1003	. TUBE ASSEMBLY, METAL	1		MGOZZ
98	2760102-109	. EJECTOR, JET - FUSELAGE FUEL	1		PAOOO
	2760102-107	. SEE ABOVE	1	*	PAOOO
	2760102-103	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
99	NAS1291C4M	. NUT	4		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 99)	4		PAOZZ
100	NAS674V3	. BOLT	4		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 100)	4		PAOZZ
101	MS29513-222	PACKING	3		PAOZZ
102	74A582018-1001	. TUBE ASSEMBLY - MOTIVE FLOW, TANK NO. 1, LOWER (76301)	1		PAOZZ
103	NAS674V8	. BOLT	4		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 103)	4		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 103)	4		PAOZZ
104	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 104)	1		PAOZZ
105	2770042-113	. VALVE, SHUTOFF - FUEL TRANSFER	1		PAOZZ
	2770042-111	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2770042-109	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2770042-107	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 16)

		T.	INITO	HCE	
INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER	USE ON	SM&R CODE
10.	NONDLIT	1 2 3 4 5 6 7	ASSY	CODE	OODL
106	W901K20DE	. COUPLING, CLAMP, GROOVE (79326) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	1	*	PAOZZ
	14J12-20A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	1	*	
	MS29513-218	. PACKING (USE WITH INDEX 106)	2		PAOZZ
107	74A582143-1001	BRACKET ASSY - HIGH LEVEL	1		XBOOO
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
108	M25988/1-315	. PACKING	12		PAOZZ
109	74A582138-1001	. BRACKET ASSY - VENT TUBE, Y374.00 (LEFT SIDE) (76301)	1		XBOOO
	74A582138-1002	. BRACKET ASSY - VENT TUBE, Y374.00 (RIGHT SIDE) (76301)	1		XBOOO
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
	74A582138-2001	BRACKET - VENT TUBE, Y374.00	1		MGOZZ
	74A582138-2002	BRACKET - VENT TUBE, Y374.00	1		MGOZZ
	M521060L3	. NUT, PLATE (USE WITH INDEX 109)	2		PAOZZ
	M520426AD3 #	. RIVET (AP)	2		_
110	74A582153-2001	. BOLT - VENT, TANK NO. 1, F/A-18B	4		PAOZZ
	4M36-02129	. WASHER (USE WITH INDEX 110)	1		PAOZZ
111	74A582082-1003	. ADAPTER - TANK DRAIN AND VENT	5		PAOZZ
112	74A582140-1002	BRACKET ASSY - VENT TUBE, Y347.6	1		XBOOO
	74A582140-1001	. SEE ABOVE (RIGHT SIDE)	1		XBOOO
	NAS674V3	. BOLT (AP)	8		PAOZZ
	AN960JD416	. WASHER (AP)	8		PAOZZ
	74A582140-2002	. BRACKET - VENT TUBE, Y347.6 (76301) (LEFT SIDE) (USE WITH INDEX 112)	1		MGOZZ
	74A582140-2001	. BRACKET - VENT TUBE, Y347.6 (76301) (RIGHT SIDE) (USE WITH INDEX 112)	1		MGOZZ
	MS21060L3	. NUT (USE WITH INDEX 112)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
113	M25988/1-312	. PACKING	17		PAOZZ
114	74A581023-1005	. SUPPORT - TUBE ASSY, REFUEL FILL, TANK NO. 1, Y357.5 (76301)	1		XBOOO
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
115	74A581023-2009	. SUPPORT (76301) (USE WITH INDEX	1		MGOZZ
116	74A581023-2011	. TEE (76301) (USE WITH INDEX 114)	1		XBOZZ
	MS20426AD5 #	RIVET (AP)	5		-

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 17)

			UNITS	HEE	
INDEX	PART	DESCRIPTION	PER	USE ON	SM&R
NO.	NUMBER	1 2 3 4 5 6 7	ASSY	CODE	CODE
	MS20470AD5 #	. RIVET (AP)	2		_
117	MS29513-335	. PACKING	3		PAOZZ
118	74A582080-2003	. SUPPORT - TUBE ASSY, WING	1		XBOZZ
		TRANSFER, TANK NO. 1, Y357.50 (76301) (SUPERSEDES 74A582080-2001)			
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
119	74A582060-1005	. SUPPORT - TUBE ASSY, REFUEL	1		XBOOO
	NAS674V3	. BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
120	74A582060-2015	. TEE (76301)	1		XBOZZ
	MS20470AD5 #	. RIVET (AP)	3		-
121	74A582060-2017	. TEE (76301)	1		XBOZZ
122	74A582060-2013	. TEE (76301)	1		XBOZZ
	MS20426AD5 #	. RIVET (AP)	4		-
	NAS674V3	BOLT (AP)	3		PAOZZ
	AN960JD416	WASHER (AP)	3		PAOZZ
123	74A581024-2003	BRACKET (76301)	1		MGOZZ
123	NAS674V3	BOLT (AP)	2		PAOZZ
	AN960JD416	· /	2		PAOZZ
		. WASHER (AP)			
	A11144-7-3	NUT, CLIP (72962) (MCDONNELL SPEC	2		PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 123)	2		PAOZZ
124	4M36-02055	. WASHER, FLAT (76301)	14		PAOZZ
125	74A582094-2001	. BRACKET (76301)	1		MGOZZ
	NAS674V3	. BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
	A11144-7-3	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 125)	2	*	PAOZZ
	130091	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 125)	2	*	PAOZZ
126	74A582098-2001	. BRACKET (76301)	2		MGOZZ
	NAS674V3	. BOLT (AP)	1		PAOZZ
	AN960JD416	. WASHER (AP)	1		PAOZZ
	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 126)	2		PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 126)	2		PAOZZ
127	74A582141-1001	BRACKET ASSY - VENT/	1		XBOOO
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
128	74A582141-2003	. SUPPORT (76301)	1		MGOZZ
	MS20426AD4 #	. RIVET (AP)	4		-
129	74A582141-2005	. DOUBLER (76301)	1		MGOZZ
	MS20426AD5 #	. RIVET (AP)	3		-
130	74A582141-2001	. BRACKET (76301)	1		MGOZZ
131	MS29513-333	. PACKING	7		PAOZZ
132	74A582164-2001	. SUPPORT ASSEMBLY (76301) (FOR	1		XBOOO
		REPAIR SEE WP154 00)			

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 18)

INDEX	PART	DESCRIPTION	UNITS PER	USE ON	SM&R
NO.1	NUMBER	1 2 3 4 5 6 7	ASSY	CODE	CODE
	I .				<u> </u>
133	74A582074-2003	. SUPPORT (76301)	1		XBOZZ
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
134	74A585735-2001 ¶	. RETAINER, FUEL CELL FITTING	1		PAOZZ
	74A585735-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	LS580178-101	. LOCKNUT, TUBE FITTING - BHD	1		PAOBZ
135	MS29513-325	. PACKING	1		PAOZZ
136	74A585734-2001 ¶	. RETAINER, FUEL CELL FITTING	1		PAOZZ
	74A585734-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	LS580171-101	. LOCKNUT, TUBE FITTING - BHD	1		PAOBZ
137	MS29513-327	. PACKING	1		PAOZZ
138	74A585730-2001 ¶	. RETAINER ASSEMBLY - FUEL CELL FITTING, BHD, 2.50 DIA (76301)	2		PAOZZ
	74A585730-2001 ¶	. SEE ABOVE	2	*	PAOZZ
	LS580174-101	. LOCKNUT, TUBE FITTING - BHD	2		PAOBZ
139	MS29513-337	PACKING	1		PAOZZ
140	74A585736-2001 ¶	. RETAINER, FUEL CELL FITTING	1		PAOZZ
	74A585736-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	74A586450-1003	NUT, EXTENDED WASHER, HEXAGON - SELF-LOCKING, BHD CONN (76301)	1		PAOZZ
141	74A582070-1013	. SUPPORT - PUMP, FUEL EJECTOR, TANK NO. 1 Y379.5 (76301) (FOR REPAIR SEE WP106 00)	1		XBOOO
	74A582070-1007	. SEE ABOVE	1	*	XBOOO
	74A582070-1011	. SEE ABOVE	1	*	XBOOD
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
142	74A582071-1003	. BRACKET - EJECTOR ELBOW, FUEL,	1		XBOOO
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
143	ST7M263V6	. ELBOW (76301)	1		PAOZZ
	ST7M263DA6	. ELBOW (76301)	1	*	PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 143)	1		PAOZZ
	MS28773-06	. RETAINER (USE WITH INDEX 143)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 143)	1		PAOZZ
144	74A585733-2001 ¶	RETAINER, FUEL CELL FITTING,BHD, 2.00 DIA. ASSY OF (76301)	1		PAOZZ
	74A585733-1001 ¶	. SEE ABOVE	1	*	PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 19)

	1				1
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	LS580173-101	. LOCKNUT, TUBE FITTING - BHD	1		PAOBZ
145	74A585731-2001 ¶	. RETAINER, FUEL CELL FITTING,	1		PAOZZ
	74A585731-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	LS580177-101	. LOCKNUT, TUBE FITTING - SPCL BHD	1		PAOBZ
146	MS29513-339	. PACKING	3		PAOZZ
147	NAS674V2	. BOLT	1		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 147)	1		PAOZZ
	MS21060L4	. NUT, PLATE (USE WITH INDEX 147)	1		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
148	NAS674V2	. BOLT	2		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 148)	2		PAOZZ
	NS103597-048	NUT, SELF-LOCKING PLATE (80539)	2	*	PAOZZ
	F10965-1-4	. NUT, SELF-LOCKING PLATE (72962) (MCDONNELL SPEC ST3M470C4M) (USE WITH INDEX 148)	2	*	PAOZZ
	F29339-01-4	. NUT, SELF-LOCKING PLATE (15653) (MCDONNELL SPEC ST3M470C4M) (USE WITH INDEX 148)	2	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		PAOZZ
149	74A582090-1005	SUPPORT - VALVE, PILOT, FLOAT	1		XB000
	74A582090-1003	. SEE ABOVE	1	*	XBOOO
150	2760110-102	. VALVE, FLOAT, AIRCRAFT - FUEL TRANSFER (MOTIVE FLOW PILOT VALVE) (92003) (MCDONNELL SPEC 74-580164-203) (5VAP537)	1		PAOZZ
	2760110-101	. VALVE, FLOAT, AIRCRAFT - FUEL TRANSFER (MOTIVE FLOW PILOT VALVE) (92003) (MCDONNELL SPEC 74-580164-203) (5VAP537)	1	*	PAOZZ
	NAS674V5	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
151	74A582073-2003	. SUPPORT TRANSMITTER (76301)	1		PAOZZ
	74A582062-2003	. SEE ABOVE	1	*	PAOZZ
	NAS663V2HT	. SCREW (AP)	3		PAOZZ
152	MS29513-213	PACKING	5		PAOZZ
153	74A586450-1001	. NUT, EXTENDED WASHER,	3		PAOZZ
154	7M35-6	. CAP ASSEMBLY (76301)	1		PAOZZ
155	74A586450-1003	. NUT, EXTENDED WASHER HEXAGON SELF-LOCKING, BHD CONN (76301)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 20)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		DD LOVER (TABLE)			110000
156	74A582102-2001	BRACKET (76301)	1		MGOZZ
	NAS674V3	BOLT (AP)	1		PAOZZ
	AN960JD416	. WASHER (AP)	1		PAOZZ
157	74A582073-2001	. SUPPORT TRANSMITTER (76301)	1		PAOZZ
	74A582062-2001	. SEE ABOVE	1	*	PAOZZ
	NAS673V2	. BOLT (AP)	3		PAOZZ
	AN960JD10L	. WASHER (AP)	3		PAOZZ
158	74A585730-1001 ¶	. RETAINER ASSEMBLY FUEL CELL FITTING, BHD, 2.50 DIA (76301)	1		PAOZZ
	LS580174-101	. NUT, SELF-LOCKING, ROUND - BHD CONN, 2.5 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580174-101)	1		PAOBZ
159	MS29513-337	. PACKING	1		PAOZZ
160	74A582079-2003	. SUPPORT (76301)	1		XBOZZ
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
161	74A582149-2001	SUPPORT - TUBE ASSY, WG XTRLINE, TK NO. 1 Y374.80, TF-18A (76301)	1		MGOZZ
	NAS674V3	. BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
162	74A582071-2003	BRACKET (76301)	1		MGOZZ
	MS20426AD4 #	. RIVET (AP)	2		_
163	74A582071-2005	RETAINER (76301)	1		MGOZZ
164	NAS6604H7	BOLT	1		PAOZZ
104	AN960JD416	. WASHER (USE WITH INDEX 164)	1		PAOZZ
165	NAS6604-7	BOLT	9		PAOZZ
103	AN960JD416	. WASHER (USE WITH INDEX 165)	9		PAOZZ
	74K580001-1015 + +	PACKING ASSORTMENT, PREFORMED FUEL TANK NO. 1 (76301)	1		PAOZZ
	74K580001-1007	. PACKING ASSORTMENT (SEE ABOVE)	1	*	PAOZZ
	74K580001-1011	PACKING ASSORTMENT (SEE ABOVE)	1	*	PAOZZ
	NAS1523C16F	PACKING (WITH RETAINER)	1		XAOZZ
	MS29513-349	PACKING (WITH RETAINER)	1		XAOZZ
	MS29513-339	PACKING	3		XAOZZ
	MS29513-337	DA CIZINO	2		XAOZZ
	MS29513-335	PACKING	3		XAOZZ
	MS29513-334	PACKING	1		XAOZZ
			8		
	MS29513-333	PACKING PACKIN	8 1		XAOZZ
	MS29S13-327	PACKING	1		XAOZZ
	MS29513-325				XAOZZ
	MS29513-232	PACKING	1		XAOZZ
	MS29513-230	. PACKING	5		XAOZZ
	MS29513-229	PACKING	2		XAOZZ
	MS29513-226	PACKING	1		XAOZZ
	MS29513-222	PACKING	2		XAOZZ
	MS29513-218	PACKING	1		XAOZZ
	MS29513-214	. PACKING	3		XAOZZ
	MS29513-213	PACKING	5		XAOZZ
	MS29513-116	. PACKING	2		XAOZZ
	MS29513-033	. PACKING	1		XAOZZ
	MS29512-10	. PACKING	1		XAOZZ
	M25988/1-315	. PACKING	12		XAOZZ
	M2598811-312	. PACKING	19		XAOZZ
	M25988/2-116	. PACKING	1		XAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) - F/A-18B (Sheet 21)

Page 23/(24 blank)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE	
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- * ALTERNATE OR EQUIVALENT PARTS. (WP002 00)
- # LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.
- @THIS FUEL TANK MUST ALSO INCLUDE 74A582075 BLOCK (SEE WP017 02 AND A1-F18AC-SRM-220, WP035 01)
- ¶ NUTS ARE USED WITH PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS ARE USED WITH NON-PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS AND NON-PROTRUDING TYPE BULKHEAD CONNECTORS ARE REPLACEMENT PARTS FOR NUTS AND PROTRUDING TYPE BULKHEAD CONNECTORS. REF WP040 00 & WP013 02.
- + USE WITH 472995-411.
- Ø USE MAXIMUM OF 3 WASHERS WITH ONE BOLT TO IMPROVE ALIGNMENT.
- + + USER MAY COMPLETE TANK
 INSTALLATION AND HAVE PACKINGS
 REMAINING BECAUSE KIT CONTAINS
 ENOUGH PACKINGS TO COVER ALL
 EFFECTIVITIES.

1 May 2001

Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

IPB - NO. 1 FUEL TANK (5CAPC611)

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18B 161704 AND UP; ALSO 161354 THRU 161360 AFTER F/A-18 AFC 39, AFTER F/A-18 AFC 53, AND F/A-18 IAFC 115

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings With Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve and Raised Inverted Baffle. (ECP MDA-F/A-18-00055C1)	15 Oct 86	-
F/A-18 AFC 39	-	No. 1 Fuel Tank Interconnect Valve Replacement and Fuel Sequencing Modification (ECP MDA-F/A-18-00072C1)	15 Oct 86	-
F/A-18 IAFC 115	-	Y383 Bulkhead Fatigue Improvements (ECP MDA-F/A-18-00266)	1 Oct 88	-

1. ILLUSTRATED PARTS BREAKDOWN.

- 2. Removal procedure for No. 1 Fuel Tank F/A-18B is in WP014 02. Index numbers in this WP match those in WP014 02.
- 3. Installation procedure for No. 1 Fuel Tank F/A-18B is in WP015 02. Index numbers in this WP match those in WP015 02.
- 4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

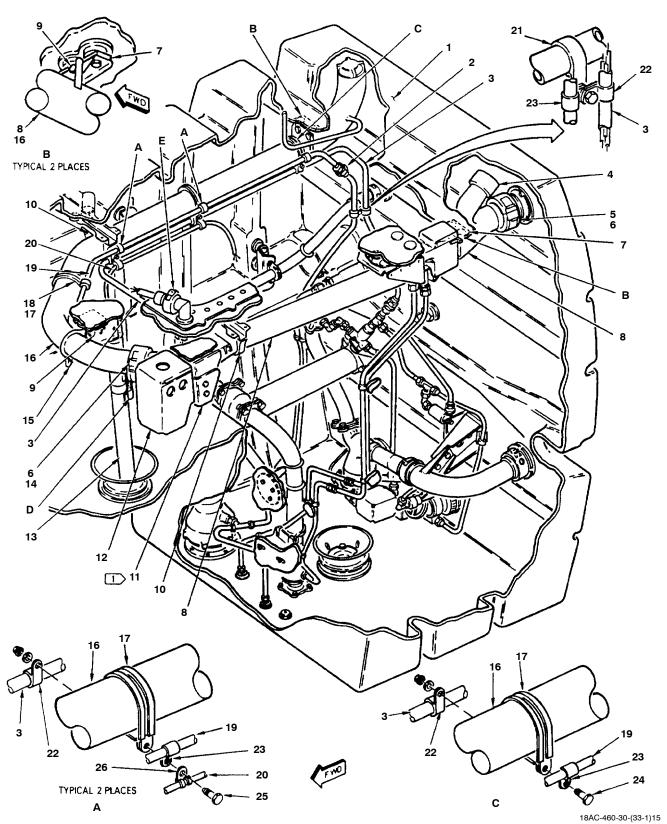


Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 1)

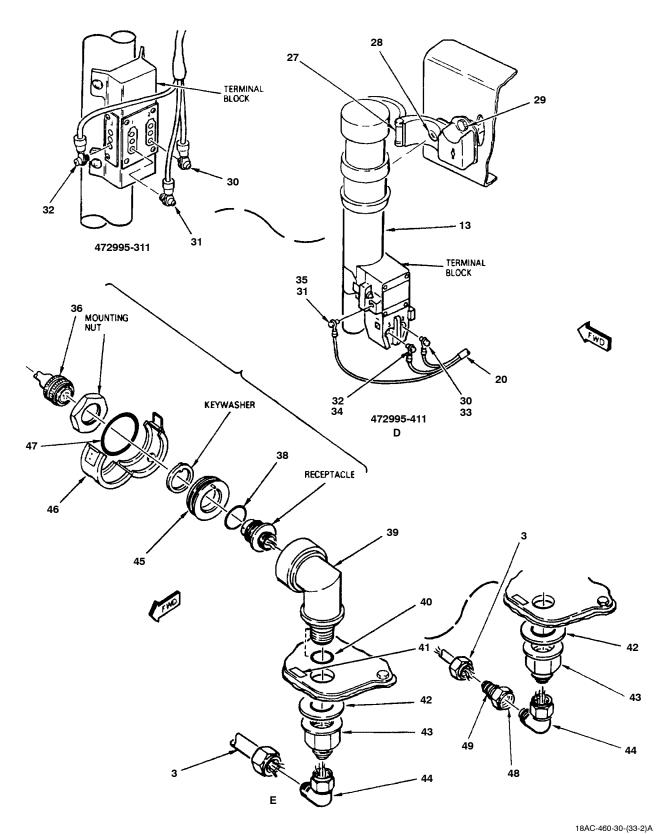


Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 2)

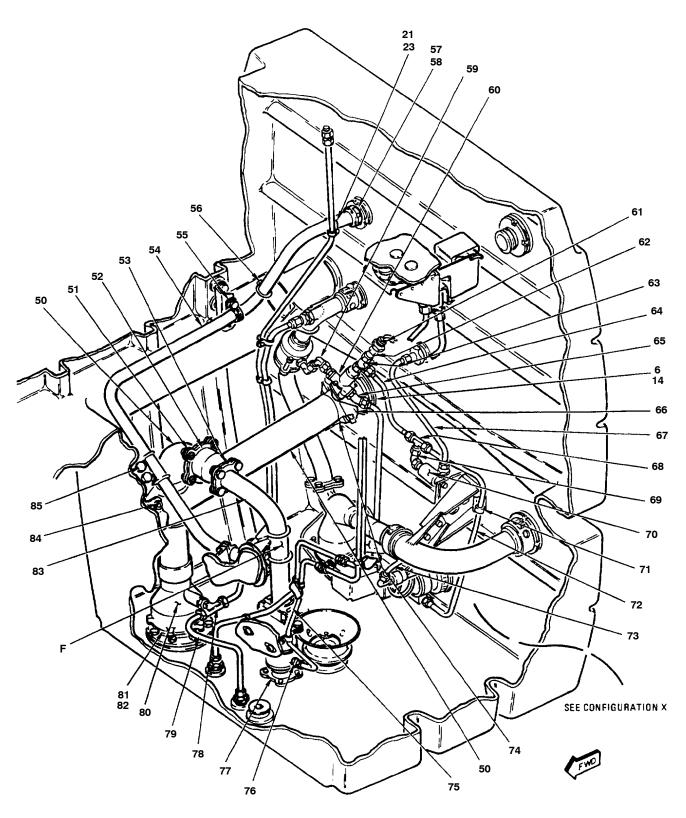
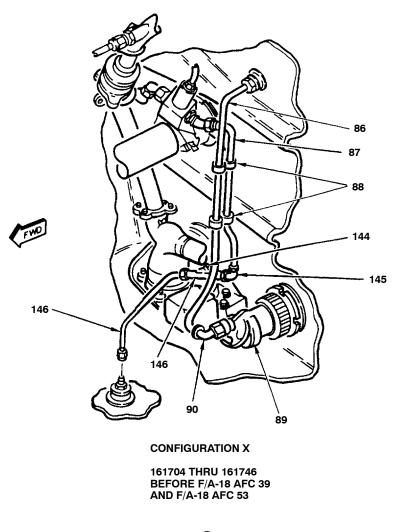
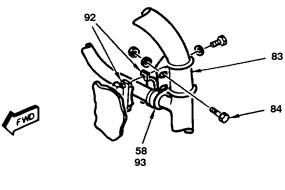


Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 3)

18AC-460-30-(33-3)C





F

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 4)

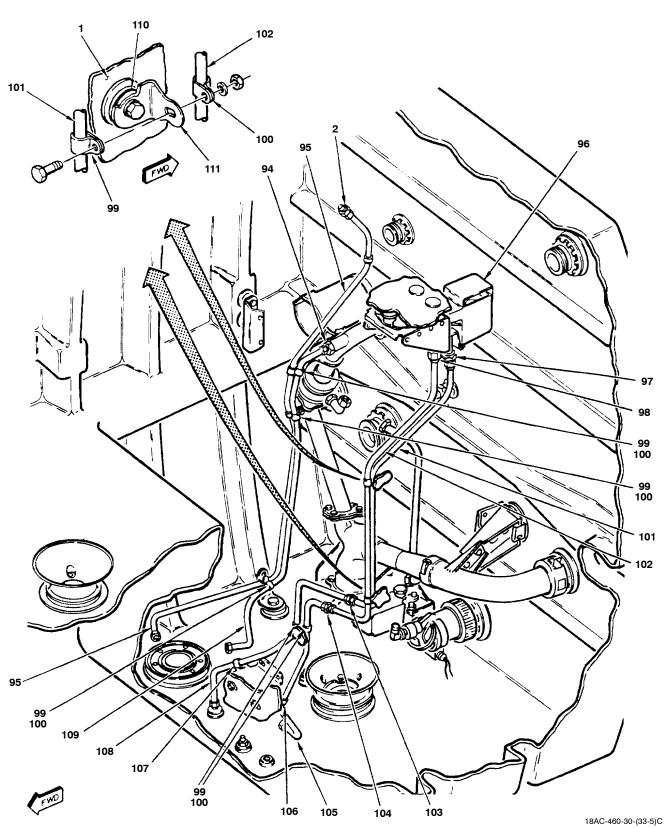


Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 5)

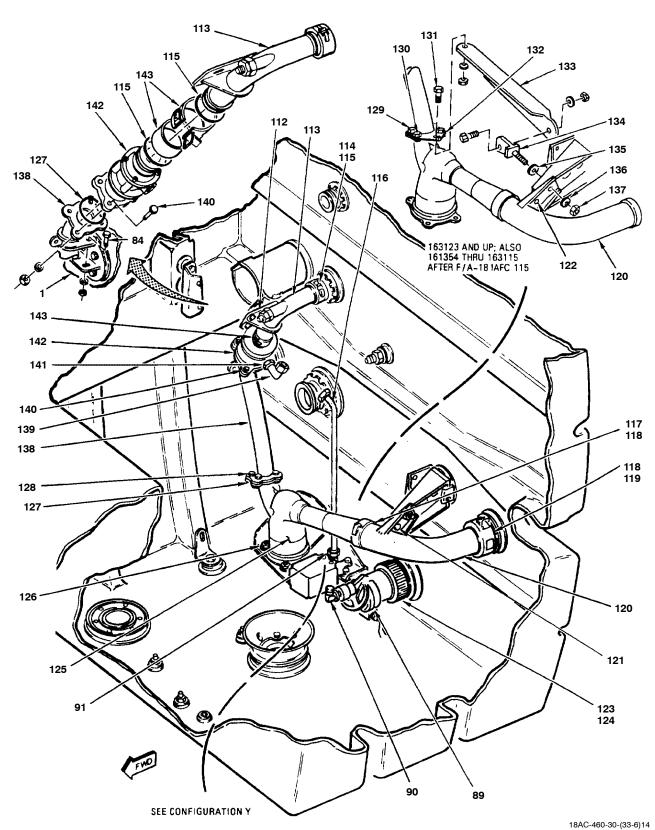


Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 6)

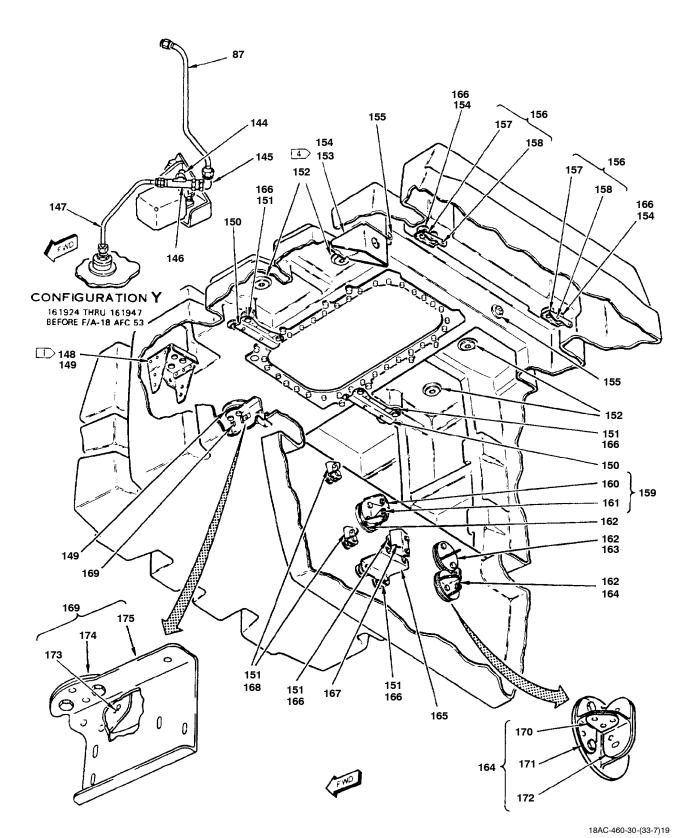


Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 7)

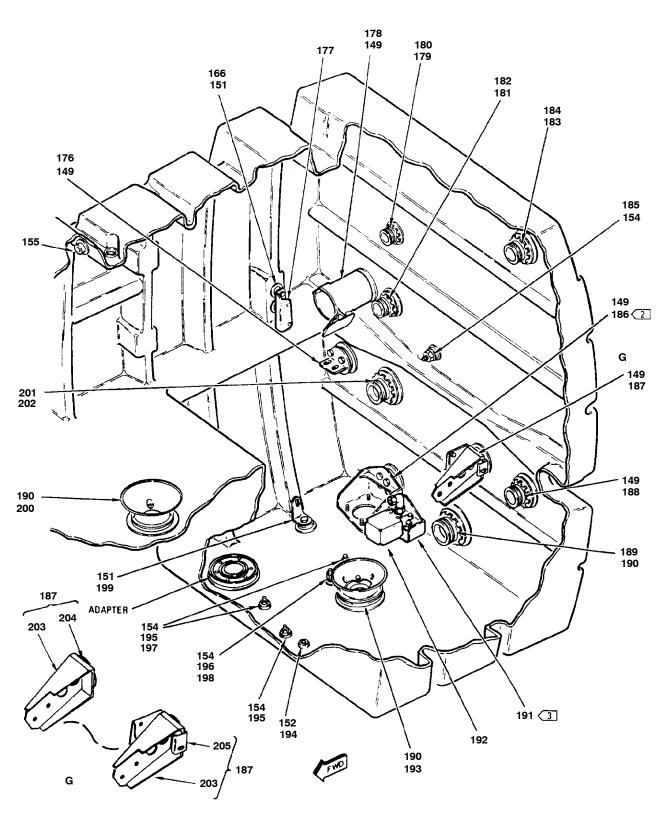


Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 8)

18AC-460-30-(33-8)B

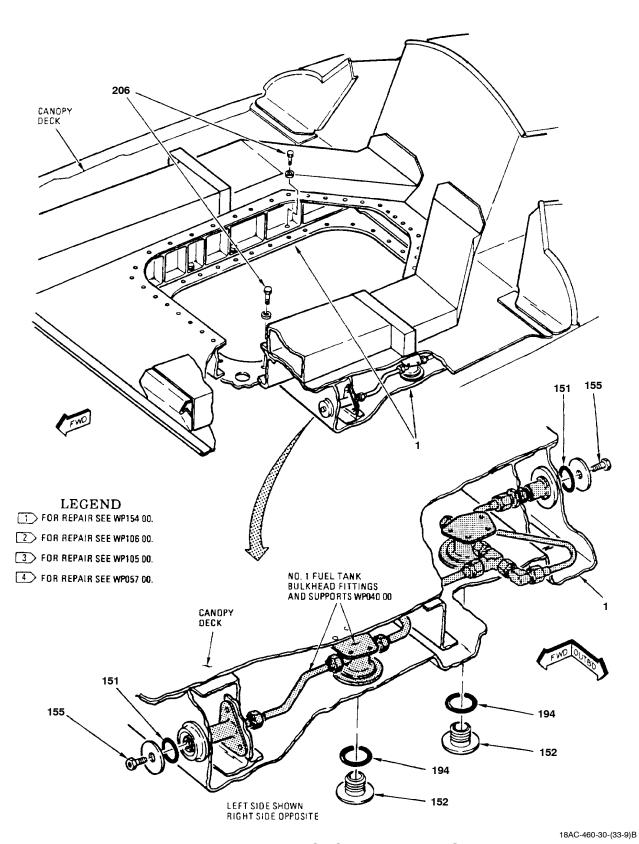


Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 9)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 1 FUEL TANK (5CAC611) (PACKING			
1	62000-5 @	AVAILABLE) TANK, FUEL, AIRCRAFT - FUSELAGE, BLADDER TYPE - NUMBER 1 (NO. 1 FUEL TANK) (05476) (MCDONNELL SPEC 74-580161-139) (5CAC611) (REPLACES 62000-3 AND FCR-63254)	1	*	PAODD
	ECD 64003 @	(REPLACES 62000-3 AND FCR-63254) SEE ABOVE (00333)	1	*	DAODD
	FCR-64993 @ 62000-3	SEE ABOVE (00535) SEE ABOVE (05476) (MCDONNELL SPEC 74-580161-125) (USE UNTIL EXHAUSTED)	1	P*	PAODD PAODD
	FCR-63254	. SEE ABOVE (00333)	1	P*	PAODD
2	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
3	74A582199-1003	. TUBE ASSEMBLY, METAL - CONDUIT	1	В	MGOZZ
	74A582200-1001	. TUBE ASSY, METAL - CONDUIT (76301)	1	C	MGOZZ
4	P72-533	. VALVE, CHECK (NO. 1 FUEL TANK	1	*	PAOZZ
	CV99-9	. SEE ABOVE	1	*	PAOZZ
	35C-1A	. SEE ABOVE (91511)	1	*	PAOZZ
	W702-24D	NUT ASSEMBLY, TUBE COUPLING	1	*	PAOZZ
	12H72-24A	. SEE ABOVE (24984)	1	*	PAOZZ
	MS29513-326	. PACKING (USE WITH INDEX 4)	2		PAOZZ
5	W904R40DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M765-40D-1)	1		PAOZZ
	14C12-40A	. COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M765-40D-1)	1		PAOZZ
	W904F40DE	COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M550-40D-1)	1	*	PAOZZ
6	MS29513-230	. PACKING	5		PAOZZ
7	74A580699-2001	SHIM (76301) (BETWEEN TUBE BRACKET AND TANK) (2 PLACES) (MAXIMUM OF 3 SHIMS EACH PLACE)	AR		MGOZZ
8	74A582132-1007	. TUBE ASSY, BRANCHED - VENT, TANK	1		XBOZZ
9	NAS674V2	. BOLT	6		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 9)	6		PAOZZ
10	NAS1787A40G	. CLAMP	2		PAOZZ
	NAS673V9	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	74A580699-2001	SHIM (76301) (USE WITH INDEX 10) (BETWEEN CLAMP AND TANK BRACKET) (2 PLACES) (MAXIMUM OF 3 SHIMS EACH PLACE)	AR		MGOZZ
11	74A582027-2003	CHANNEL ASSEMBLY (76301) (FOR	1		XBOOG
	NAS674V1	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 10)

	T	_		1		
INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
12	742100-103	٠	VALVE, FLOAT, AIRCRAFT - CLIMB VENT, TANK NO. 1 (NO. 1 FUEL TANK CLIMB VENT CHECK VALVE) (96124) (MCDONNELL SPEC 74-580064-103) (5VAP531)	1		PAOZZ
	NAS674V3		BOLT (AP)	4		PAOZZ
	AN960JD416		WASHER (AP)	4		PAOZZ
13	472995-411	٠	TRANSMITTER, LIQUID QUANTITY TANK NO. 1, FORWARD (NO. 1 FUEL TANK FORWARD FUEL QUANTITY TRANSMITTER) (89305) (MCDONNELL SPEC 74-580056-223) (5A-E028)	1		PAOZZ
	472995-311		SEE ABOVE	1	*	PAOZZ
14	W901k40DE	•	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	2		PAOZZ
	14J12-40A	•	COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	2		PAOZZ
	W901F40DE		COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-40D) (INCLUDES SLEEVE)	2	*	PAOZZ
15	7M637BW-6D		ELBOW (76301)	1		PAOZZ
	MS29512-06		PACKING (USE WITH INDEX 15)	1		PAOZZ
	MS28773-06		RETAINER (USE WITH INDEX 15)	1		PAOZZ
	AN6289D6		NUT (USE WITH INDEX 15)	1		PAOZZ
16	74A582131-1011		TUBE ASSEMBLY, BRANCHED - VENT,	1		XBOZZ
17	MS21919WDF40		CLAMP	4		PAOZZ
18	NMC-ST9M529-6	٠	CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-6)	1		PAOZZ
	NAS673V4		BOLT (AP)	1		PAOZZ
	AN960JD10L		WASHER (AP)	1		PAOZZ
	NAS1291C3M		NUT (AP)	1		PAOZZ
19	74A582133-1001	•	TUBE ASSEMBLY, METAL	1		MGOZZ
20	74A753324-9BAA	٠	CABLE ASSEMBLY, ELECTRICAL FORWARD FUSELAGE, W53324 (76301) (FOR WIRING REPAIR SEE F18AC-WRM-000)	1		XBOOO
21	NMC-ST9M529-16		CLAMP, LOOP (03296) (MCDONNELLSPEC ST9M529-16)	1		PAOZZ
	NAS673V8		BOLT (AP)	1		PAOZZ
	AN960JD10L		WASHER (AP)	1		PAOZZ
	NAS1291C3M		NUT (AP)	1		PAOZZ
22	NMC-ST9M529-6	٠	CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-6)	4	В	PAOZZ
	NMC-ST9M529-8	•	CLAMP, LOOP (03296) (MCDONNELLSPEC ST9M529-8)	4	С	PAOZZ
23	NMC-ST9M529-6	•	CLAMP, LOOP (03296) (MCDONNELLSPEC ST9M529-6)	4		PAOZZ
24	NAS673V7		BOLT	1		PAOZZ
	AN960JD10L		WASHER (USE WITH INDEX 24)	1		PAOZZ
	NAS1291C3M	٠	NUT (USE WITH INDEX 24)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 11)

11.15-71			24.27			0110.5
NO.	PART NUMBER	1 2	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
25	NAS673V8	п	3OLT	1		PAOZZ
23	AN960JD10L		WASHER (USE WITH INDEX 25)	1		PAOZZ
	NAS1291C3M		NUT (USE WITH INDEX 25)	1		PAOZZ
26	MS21919WDF4		CLAMP	2		PAOZZ
27	7C34-24-2A		CLAMP, QUICK RELEASE (71286)	1		PAOZZ
28	NAS663V2HT	. S	SCREW	1		PAOZZ
20	A11144-7-3		NUT, CLIP (72962) (MCDONNELL SPECST3M523C3M) (USE WITH INDEX 28)	1	*	PAOZZ
	130091	. N	NUT, CLIP (76530) (MCDONNELL SPEC	1	*	PAOZZ
29	NAS673V2	. В	BOLT	1		PAOZZ
	AN960JD10L		WASHER (USE WITH INDEX 29)	1		PAOZZ
	A11144-7-3		NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 29)	1	*	PAOZZ
	130091	. N	NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 29)	1	*	PAOZZ
30	466604-008	. S	SCREW, EXTERNALLY RELIEVED BODY (89305) (MCDONNELL SPEC ST3M560-5)	1	*	PAOZZ
	MA3560-5	. S	SCREW, EXTERNALLY RELIEVED BODY (58845) (MCDONNELL SPEC ST3M560-5)	1	*	PAOZZ
	1AM121070-5	. S	SEE ABOVE (58251)	1	*	PAOZZ
	FIT7043-5	. S	SEE ABOVE (58998)	1	*	PAOZZ
	396648	. V	WASHER, CONICAL (89305) (MCDONNELL	1	*	PAOZZ
	448-3-2	. S	SEE ABOVE (86968)	1	*	PAOZZ
31	466604-006		SCREW, EXTERNALLY RELIEVED BODY (89305) (MCDONNELL SPEC ST3M560-4)	1	*	PAOZZ
	MA3560-4	. S	SCREW, EXTERNALLY RELIEVED BODY (58845) (MCDONNELL SPEC ST3M560-4)	1	*	PAOZZ
	1AM121070-4	. S	SEE ABOVE (58251)	1	*	PAOZZ
	FIT7043-4		SEE ABOVE (58998)	1	*	PAOZZ
	396973	. V	WASHER, CONICAL (89305) (MCDONNELL	1	*	PAOZZ
	448-3-1	. S	SEE ABOVE (86968)	1	*	PAOZZ
32	466604-010	. S	SCREW, EXTERNALLY RELIEVED BODY (89305) (MCDONNELL SPEC ST3M560-6)	1	*	PAOZZ
	MA3560-6	. S	SCREW, EXTERNALLY RELIEVED BODY (58845) (MCDONNELL SPEC ST3M560-6)	1	*	PAOZZ
	1AM121070-6	. S	SEE ABOVE (58251)	1	*	PAOZZ
	FIT7043-6		SEE ABOVE (58998)	1	*	PAOZZ
	396974	. V	WASHER, CONICAL (89305) (MCDONNELL SPEC ST4M159-3) (UNDER LUG) (USE WITH INDEX 32)	1	*	PAOZZ
	448-3-3	. S	SEE ABOVE (86968)	1	*	PAOZZ
33	AN960C8 +		WASHER	2		PAOZZ
34	AN960C10L +		WASHER	1		PAOZZ
35	NAS620C6		WASHER	2		PAOZZ
36	MS27467T11B35S	. (CONNECTOR PLUG (5P-E035)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 12)

		1				
INDEX NO.	PART NUMBER	1 2 3 4	DESCRIPTION 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
37	74A770173-9AAA	NO. I	TOR, RECEPTACLE ELECTRICAL	1	В	XB000
	10-599302-35P		TOR, RECEPTACLE (77820)	1	С	PAOZZ
38	M25988/2-116	. PACKING	}	1		PAOZZ
39	74A580703-1003		ELECTRICAL - TANK NO. 1 90	1	Q	PAOZZ
40	MS29513-116		;	1	Q	PAOZZ
41	74A890601-2819		, ELECTRICAL IDENTIFICATION	1	Q	MDOZZ
42	NAS1523C16F	. PACKING	i	1	Q	PAOZZ
43	74A582000-1001	TO CO	APTER, SELF-LOCKING - ELBOW DNDUIT (76301)	1	Q	PAOZZ
44	7M148V8		76301)	1	Q	PAOZZ
45	74A580704-1001	TK 1/	CLE, ELECTRICAL CONNECTOR WING (76301)	1	Q	XBOZZ
46	W904K24DE	(79326	IG, CLAMP, GROOVED (HALF) 5) (MCDONNELL SPEC 7M765-24D-1)	1	Q	PAOZZ
	14C12-24A	(24984	IG, CLAMP, GROOVED (HALF) (MCDONNELL SPEC 7M765-24D-1)	1	Q	PAOZZ
	W904F24DE	(79326	IG, CLAMP, GROOVED (HALF) 5) (MCDONNELL SPEC 7M550-24D-1)	1	Q*	PAOZZ
47	MS29513-222		i	1	Q	PAOZZ
48	AN818-8			1	В	PAOZZ
49	7M637NB-D8-6		R (76301)	1	В	PAOZZ
50	74A582004-1005	NO. 1	SEMBLY - REFUEL FILL, TANK (76301)	1		XBOZZ
51	MS29513-229	. PACKING		1 1		PAOZZ
52	2760121-105	MOU! TRAN (MCD	VALVE, CHECK - FUEL, LARGE LINE			PAOZZ
	2760121-103	MOUN TRAN (MCD (5VAF	(SVAF352) VALVE, CHECK - FUEL, LARGE LINE MOUNTED (NO. 1 FUEL TANK REFUEL/ TRANSFER CHECK VALVE) (92003) (MCDONNELL SPEC 74-580149-111) (5VAP532)		*	PAOZZ
	NAS674V5		?)	8		PAOZZ
	AN960JD416	. WASHER	(AP)	8		PAOZZ
53	MS29513-224	. PACKING	;	1		PAOZZ
54	74A582020-1005		SEMBLY - WING TRANSFER, NO. 1 (76301)	1		XBOZZ
55	ST9M620A16	PLAS	LOOP - STRAP AND BASE,	1		PAOZZ
	NAS673V5	. BOLT (Al	P)	2		PAOZZ
	AN960JD10L	UNDE	(AP) (ONE UNDER BOLT, ONE	4		PAOZZ
	NAS1291C3M			2		PAOZZ
56	NAS674V2			1		PAOZZ
	AN960JD416		(USE WITH INDEX 56)	1		PAOZZ
	NAS1291C4M	. NUT (US	E WITH INDEX 56)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 13)

1		1	1	T	1
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
57	W904K16DE	. COUPLING, CLAMP, GROOVED (HALF) (79326) (MCDONNELL SPEC 7M765-16D-1)	1		PAOZZ
	14C12-16A	COUPLING, CLAMP, GROOVED (HALF)	1		PAOZZ
	W904F16DE	. COUPLING, CLAMP, GROOVED (HALF)	1	*	PAOZZ
58	MS29513-214	PACKING	4		PAOZZ
59	7M148V6	. ELBOW (76301)	1	Q	PAOZZ
60	517500-101	. VALVE, SOLENOID - TRANSFER SHUTOFF, NO. 1 FUEL TANK (NO. 1 FUEL TANK TRANSFER CONTROL VALVE) (96124) (MCDONNELL SPEC 74-580070-101) (5L-F160) (FOR ASSEMBLY SEE 74A770174, A1-F18AC-WRM-000, WP701 74)	1	C	PAOZZ
	V4700-71	VALVE, SOLENOID - TRANSFER SHUTOFF, NO. 1 FUEL TANK (NO. 1 FUEL TANK TRANSFER CONTROL VALVE) (96487) (MCDONNELL SPEC 74J588025-101) (5L-F160) (FOR ASSEMBLY SEE 74A770174, A1-F18AC-WRM-000, WP701 74)	1	В	PAOZZ
	NAS674V1	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 60)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 60)	1		PAOZZ
61	7M637DA-12	. REDUCER (76301)	1	\mathbf{C}	PAOZZ
62	74A582201-1001	. TUBE ASSY, METAL - CONDUIT (76301)	1	C	MGOZZ
63	7M151V6	. TEE (76301)	1	C	PAOZZ
64	74A582097-1003	. TUBE ASSY, METAL - CONDUIT (76301) (SUPERSEDES 74A582097-1001)	1	c	MGOZZ
65	7M637BY-6D	. ELBOW (76301)	1	Q	PAOZZ
	MS28773-06	RETAINER	1		PAOZZ
	AN6289D6	. NUT	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 65)	1		PAOZZ
66	74A581031-2003	. BRACKET - VALVE, SOLENOID S/O, TANK NO. 1 (76301)	1	Q	MGOZZ
	A11144-7-3	NUT, CLIP (72962) (MCDONNELL SPECST3M523C3M) (USE WITH INDEX 66)	2	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 66)	2	*	PAOZZ
67	74A582056-1001	. TUBE ASSY, METAL - PRESS (76301)	1	C	MGOZZ
68	7M150V6	. TEE (76301)	1	C	PAOZZ
69	7M148V6	. ELBOW (76301)	1	\mathbf{C}	PAOZZ
70	517500-101	. VALVE, SOLENOID - LOW LEVEL,	1	С	PAOZZ
	NAS674V1	BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 70)	2		PAOZZ
	MS29512-06	PACKING (USE WITH INDEX 70)	2		PAOZZ
71	NMC-ST9M529-6	. CLAMP, LOOP (03296) (MCDONNELL SPEC	1	C	PAOZZ
/ 1	NAS673V3	ST9M529-6) BOLT (AP)	1	Č	PAOZZ
	AN960JD10L	WASHER (AP)	1		PAOZZ
	NAS1291C3M	NUT (AP)	1		PAOZZ
	141012/10011	(111)	1		111000

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 14)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
72	744.502005.4004		TUDE ACCV METAL COMPUTE (7.600)			110077
72	74A582095-1001	٠	TUBE ASSY, METAL - CONDUIT (76301)	1	С	MGOZZ
73	74A582121-2001 †	•	TUBE ASSY, PRESS, SENSE	1		MGOZZ
	74A582055-1001 + +		TUBE ASSY, METAL - PRESS (76301) (USE UNTIL EXHAUSTED)	1	С	MGOZZ
74	NAS1787A40G		CLAMP	1		PAOZZ
	NAS673V8		BOLT (AP)	2		PAOZZ
75	NAS1787A24G		CLAMP	1		PAOZZ
	NAS673V2		BOLT (AP)	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
76	7M637BD-6D		NIPPLE (76301)	1		PAOZZ
	MS29512-06		PACKING (USE WITH INDEX 76)	1		PAOZZ
77	2760113-113		VALVE, CHECK - REFUEL LEVEL (NO. 1 FUEL TANK FUEL LEVEL CONTROL SHUT- OFF VALVE) (92003) (MCDONNELL SPEC 74-580108-223) (5VAP541)	1		PAOZZ
	2760113-111	٠	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2760113-109	•	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2760113-107	•	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	MS29513-224		PACKING (USE WITH INDEX 77)	1		PAOZZ
	74A581029-2001		RESTRICTOR, FLUID FLOW - PRESSURE FUELING-LINE (76301) (USE WITH INDEX 77)	1		MGOZZ
78	7M637BX-4D		TEE (76301)	1		PAOZZ
	AN6289D4		NUT (USE WITH INDEX 78)	1		PAOZZ
	MS29512-04		PACKING (USE WITH INDEX 78)	1		PAOZZ
	MS28773-04		RETAINER (USE WITH INDEX 78)	1		PAOZZ
79	74A580661-1001		TUBE ASSEMBLY, METAL - MOTIVE	1		MGOZZ
80	40C132-3	•	VALVE, SHUTOFF, REFUEL/DEFUEL	1		PAOZZ
	NAS674V8		BOLT (AP)	6		PAOZZ
	AN960JD416		WASHER (AP)	6		PAOZZ
	7M637BD-6D		NIPPLE (76301) (USE WITH INDEX 80)	1		PAOZZ
	MS29512-06		PACKING (USE WITH NIPPLE)	1		PAOZZ
81	MS29513-349		PACKING	1		PAOZZ
82	MS29513-232		PACKING	1		PAOZZ
83	74A581004-1003	٠	TUBE ASSEMBLY - REFUEL FILL, TANK NO. 1 (76301)	1		XBOZZ
84	NAS674V3		BOLT	6		PAOZZ
	AN960JD416		WASHER (USE WITH INDEX 84)	6		PAOZZ
	NAS1291C4M		NUT (USE WITH INDEX 84)	6		PAOZZ
85	NAS673V3		BOLT	2		PAOZZ
	AN960JD10L		WASHER (USE WITH INDEX 85)	2		PAOZZ
	A11144-7-3	•	NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 85)	2	*	PAOZZ
	130091	•	NUT, CLIP (76530) (MCDONNELL SPECST3M523C3M) (USE WITH INDEX 85)	2	*	PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 15)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
86	74A582050-1003	. TUBE ASSEMBLY, METAL - MOTIVE FLOW Y379.237 (76301)	1	В	MGOZZ
87	74A582169-1701	TUBE ASSEMBLY, METAL - MOTIVE FLOW, Y380.476 (76301)	1	K	MGOZZ
88	NMC-ST9M529-6	CLAMP, LOOP (03296) (MCDONNELL	4	В	PAOZZ
	NAS673V5	BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
89	41400-105		1	В	PAOZZ
	41400-113	SEE ABOVE (MCDONNELL SPEC	1	C*	PAOZZ
	55-7600-2	. SEE ABOVE (96736)	1	C^*	PAOZZ
90	7M637BW-6D	. ELBOW (76301)	1	M	PAOZZ
	7M637BW-6D †	. ELBOW (76301) (REPLACES 74A582033-2001)	1		PAOZZ
	74A582033-2001 + +	. ELBOW (76301) (CONTAINS ORIFICE) (USE UNTIL EXHAUSTED)	1	N	PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 90)	1		PAOZZ
	MS28773-06	. RETAINER (USE WITH INDEX 90)	1		PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 90)	1		PAOZZ
91	7M637BD-6D	. NIPPLE (76301)	1	L	PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 91)	1		PAOZZ
92	ST9M620A16	. CLAMP, LOOP - STRAP AND BASE, PLASTIC (03296) (MCDONNELL SPEC ST9M620A16)	1		PAOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
93	W901K16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	1		PAOZZ
	14J12-16A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	1		PAOZZ
	W901F16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-16D) (INCLUDES SLEEVE)	1	*	PAOZZ
94	7M637BD-4D	. NIPPLE (76301)	1		PAOZZ
95	74A582165-1001	. TUBE ASSEMBLY, METAL	1		MGOZZ
96	2800095-101	. VALVE, FLOAT, AIRCRAFT - PILOT REFUEL LEVEL (NO. 1 FUEL TANK HIGH LEVEL PILOT VALVE) (92003) (MCDONNELL SPEC 74-580108-221) (5VAP539)	1		PAOZZ
	2800018-101	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS674V2	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
97	7M637BD-4D	. NIPPLE (76301)	1		PAOZZ
	MS29512-04	. PACKING (USE WITH INDEX 97)	1		PAOZZ
98	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 98)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 16)

				, ,		, ,
INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
99	NMC-ST9M529-4		CLAMP, LOOP (03296) (MCDONNELL SPEC	4		PAOZZ
100	NMC-ST9M529-6		ST9M529-4) CLAMP, LOOP (03296) (MCDONNELL SPEC	4		PAOZZ
	NAC672N6		ST9M529-6) BOLT (AP)	1		PAOZZ
	NAS673V6	٠				
	AN960JD10L		WASHER (AP)	1		PAOZZ
	NAS1291C3M		NUT (AP)	1		PAOZZ
101	74A582135-1001	٠	TUBE ASSEMBLY, METAL - PRECHECK,	1		MGOZZ
102	74A582134-1001	•	TUBE ASSEMBLY, METAL - HIGH LEVEL SENSING, Y359.730 (76301)	1		MGOZZ
103	7M637BD-4D		NIPPLE (76301)	1		PAOZZ
104	7M637BD-6D		NIPPLE (76301)	1		PAOZZ
105	74A582137-1001	•	TUBE ASSEMBLY, METAL - SENSING,	1		MGOZZ
106	NMC-ST9M529-6	•	CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-6)	1		PAOZZ
	NAS673V4		BOLT (AP)	1		PAOZZ
	AN960JD10L		WASHER (AP)	1		PAOZZ
107	NMC-ST9M529-4		CLAMP, LOOP (03296) (MCDONNELL SPEC ST9M529-4)	1		PAOZZ
	NAS673V6		BOLT (AP)	1		PAOZZ
	AN960JD10L		WASHER (AP)	1		PAOZZ
108	74A582136-1003		TUBE ASSEMBLY, METAL - PRECHECK	1		MGOZZ
109	74A582016-1001	•	TUBE ASSEMBLY, METAL - M/F PRESS,	1		MGOZZ
110	M25988/1-312		PACKING	1		PAOZZ
111	74A582098-2001		BRACKET, ANGLE - TUBE ASSY, SENSING, TANK NO. 1 (76301)	2		MGOZZ
	NAS674V3		BOLT (AP)	1		PAOZZ
	AN960JD416		WASHER (AP)	1		PAOZZ
	M25988/1-312		PACKING (USE WITH INDEX 111)	1		PAOZZ
112	NAS674V3	•	BOLT	4		PAOZZ
112		•		4		PAOZZ
	AN960JD416	•	WASHER (USE WITH INDEX 112)			
113	NAS1291C4M 74A582019-1005		NUT (USE WITH INDEX 112) TUBE ASSEMBLY - ELBOW, MOTIVE FLOW,	4 1		PAOZZ XBOZZ
	7M637BD-4D		TANK NO. 1, UPPER (76301) NIPPLE (76301) (USE WITH INDEX 113)	1		PAOZZ
		•	PACKING (USE WITH INDEX 113)	1		
11.4	MS29512-04	•			*	PAOZZ
114	W904K20DE	•	COUPLING, CLAMP, GROOVED (HALF)	1		PAOZZ
	14C12-20A	•	COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M765-20D-1)	1	*	PAOZZ
115	MS29513-218	•	PACKING	3		PAOZZ
116	74A582169-1005	•	TUBE ASSEMBLY, METAL - MOTIVE FLOW, Y380.476 (76301)	1	L	MGOZZ
117	W901K32DE	٠	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	1	*	PAOZZ
	14J12-32A		COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	1	*	PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 17)

	ı				
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
118	MS29513-226	. PACKING	3		PAOZZ
119	W904K32DE	. COUPLING, CLAMP, GROOVED (HALF)	1	W*	PAOZZ
	14C12-32A	COUPLING, CLAMP, GROOVED (HALF) (24984) (MCDONNELL SPEC 7M765-32D-1)	1	W*	PAOZZ
	W904R32CE	. COUPLING, CLAMP, GROOVED (HALF)	1	U*	PAOZZ
	14J12-32C	. SEE ABOVE (24984)	1	U*	PAOZZ
120	74A5B2012-1007	TUBE ASSEMBLY - ELBOW TRANSFER, TANK NO. 1 (76301)	1	U	PAOZZ
	74A582012-1005	. SEE ABOVE	1	W	PAOZZ
	74A582012-1003	. SEE ABOVE	1	\mathbf{W}^*	PAOZZ
121	NAS674V4	. BOLT	2	F	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 121)	2	F	PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 121)	2	F	PAOZZ
	AN960JD416L ∅	. WASHER (BETWEEN TUBE FLANGE	3	F	PAOZZ
122	NAS674V4	. BOLT	1	R	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 122)	1	R	PAOZZ
	AN960JD416L ∅	. WASHER (BETWEEN TUBE FLANGE AND SUPPORT) (MAXIMUM OF 3) (USE WITH INDEX 122)	3	R	PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 122)	1	R	PAOZZ
123	W702-40D	. COUPLING ASSEMBLY, HALF (79326) (MCDONNELL SPEC ST7M191-40D-1) (INCLUDES NUT AND 2 WASHERS)	1	*	PAOZZ
	12H72-40A	. SEE ABOVE (24984)	1	*	PAOZZ
124	MS29513-334	. PACKING	1		PAOZZ
125	2760102-109	EJECTOR, JET-FUSELAGE FUEL TRANSFER (NO. 1 FUEL TANK TRANSFER JET EJECTOR) (92003) (MCDONNELL SPEC 74-580112-123) (5VAP536) (FOR REPAIR OF 2760102-109 AND 2760102-107 SEE WP106 00)	1		PAOOO
	2760102-107	. SEE ABOVE	1	*	PAOOO
	2760102-103	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
126	NAS1291C4M	. NUT	4		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 126)	4		PAOZZ
127	MS29513-222	. PACKING	2		PAOZZ
128	NAS674V5	. BOLT	4	F	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 128)	4		PAOZZ
129	NAS674V5	. BOLT	2	R	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 129)	2		PAOZZ
130	NAS674V7	. BOLT	2	R	PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 130)	2		PAOZZ
131	NAS675V4	. BOLT	1	R	PAOZZ
	AN960JD516	. WASHER (USE WITH INDEX 131)	1		PAOZZ
	NAS1291C5M	. NUT (USE WITH INDEX 131)	1		PAOZZ
132	74A582119-2003	. PLATE (76301)	1	R	XBOZZ
133	74A582119-2001	. LINK (76301)	1	R	XBOZZ
	NAS675V4	. BOLT (AP)	1		PAOZZ
	AN960JD516	. WASHER (AP)	1		PAOZZ
	NAS1291C5M	. NUT (AP)	1		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 18)

INDEV	DART		UNITS	USE	CM CD
NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	PER ASSY	ON CODE	SM&R CODE
134	74A582120-2001	. EYEBOLT (76301)	1	R	PAOZZ
135	AN960JD416	. WASHER	AR	R	PAOZZ
136	AN960JD416	. WASHER	1	R	PAOZZ
137	NAS1291C4M	. NUT	1	R	PAOZZ
138	74A582018-1001	TUBE ASSEMBLY - MOTIVE FLOW, TANK NO. 1, LOWER (76301)	1		PAOZZ
139	ST7M263V6	. ELBOW (76301)	1		PAOZZ
	NAS43DD9-13 ‡	. SPACER (USE WITH INDEX 139)	1		PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 139)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 139)	1		PAOZZ
140	NAS674V8	. BOLT	4		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 140)	4		PAOZZ
	NAS1291C4M	. NUT (USE WITH INDEX 140)	4		PAOZZ
141	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 141)	1		PAOZZ
142	2770042-113	VALVE, SHUTOFF - FUEL TRANSFER(TANK 1) (NO. 1 FUEL TANK TRANSFER SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580164-213) (5VAP534)	1		PAOZZ
	2770042-111	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2770042-109 ‡	. SEE ABOVE (MCOONNELL SPEC	1	*	PAOZZ
	2770042-107 ‡	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
143	W901K20DE	. COUPLING, CLAMP, GROOVED	1	*	PAOZZ
	14J12-20A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	1	*	PAOZZ
144	ST7M263V6	. ELBOW (76301)	1	K	PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 144)	1		PAOZZ
	MS28773-06	. RETAINER (USE WITH INDEX 144)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 144)	1		PAOZZ
145	7M148V6	. ELBOW (76301)	1	K	PAOZZ
146	18-1200	. VALVE, FLOW CONTROL (NO. 1 FUEL TANK TRANSFER PRECHECK VALVE) (96736) (MCDONNELL SPEC 74B580184-103) (5VAP606)	1	K*	PAOZZ
	2770221-103	. SEE ABOVE (92003)	1	K*	PAOZZ
147	74A582160-1003	. TUBE ASSEMBLY, METAL - PRECHECK, Y374.641 (76301)	1	K	MGOZZ
148	74A582164-2001	. SUPPORT ASSEMBLY (76301) (FOR REPAIR SEE WP154 00)	1		XBOOO
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
149	MS29513-333	. PACKING	7		PAOZZ
150	74A582140-1002	. BRACKET ASSY - VENT TUBE, Y347.6	1		XBOOO
	74A582140-1001	. SEE ABOVE (RIGHT SIDE)	1		XBOOO
	NAS674V3	. BOLT (AP)	8		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 19)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	AN960JD416	. WASHER (AP)	8		PAOZZ
	74A582140-2002	BRACKET - VENT TUBE, Y347.6 (76301) (LEFT SIDE) (USE WITH INDEX 150)	1		MGOZZ
	74A582140-2001	BRACKET - VENT TUBE, Y347.6 (76301) (RIGHT SIDE) (USE WITH INDEX 150)	1		MGOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 150)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	4		-
151	M2598811-312	PACKING	14		PAOZZ
152	74A582082-1003	. ADAPTER - TANK DRAIN AND VENT (76301)	5		PAOZZ
	74A582082-1001	. SEE ABOVE	5	*	PAOZZ
153	74A582143-1001	. BRACKET ASSY - HIGH LEVEL SHUTOFF VALVE, Y365.70 (76301) (FOR REPAIR SEE WP057 00)	1		XBOOO
	NAS674V3	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
154	M2598811-315	. PACKING	12		PAOZZ
155	74A582153-2001	. PLUG VENT, TANK NO. 1, (76301)	4		PAOZZ
	4M36-02129	. WASHER (USE WITH INDEX 155)	1		PAOZZ
156	74A582138-1001	. BRACKET ASSY - VENT TUBE, Y374.00 (LEFT SIDE) (76301) (76301)	1		XBOOO
	74A582138-1002	. BRACKET ASSY - VENT TUBE, Y374.00 (RIGHT SIDE) (76301)	1		XBOOO
	NAS674V3	BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
157	74A582138-2001	. BRACKET - VENT TUBE, Y374.00 (76301) (LEFT SIDE)	1		MGOZZ
	74A582138-2002	. BRACKET - VENT TUBE, Y374.00 (76301) (RIGHT SIDE)	1		MGOZZ
158	MS21060L3	. NUT, PLATE	4		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
159	74A581023-1005	. SUPPORT - TUBE ASSY, REFUEL FILL,	1		XBOOO
	NAS674V3	BOLT (AP)	3		PAOZZ
160	AN960JD416	WASHER (AP)	3		PAOZZ
160	74A581023-2009	SUPPORT (76301)	1		MGOZZ
161	74A581023-2011	TEE (76301)	1 5		XBOZZ
	MS20426AD5 # MS20470AD5 #	RIVET (AP)	2		-
162	MS29513-335	RIVET (AP)	3		PAOZZ
163	74A582080-2003	PACKING	1		XBOZZ
	NAS674V3	BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
164	74A582060-1005	SUPPORT - TUBE ASSY, REFUEL	1		XBOOO
	NAS674V3	BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
165	74A581024-2003	BRACKET (76301)	1		MGOZZ
	NAS674V3	. BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
	A11144-7-3	NUT, CLIP (72962) (MCDONNELL SPECST3M523C3M) (USE WITH INDEX 165)	2	*	PAOZZ
	130091	NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 165)	2	*	PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 20)

					l
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
166	4M26 02055	WACHED (76201)	1.4		DAOGG
166	4M36-02055	. WASHER (76301)	14		PAOZZ
167	74A582094-2001	BRACKET (76301)	1		MGOZZ
	NAS674V3	BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
	A11144-7-3	NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 167)	2	*	PAOZZ
	130091	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 167)	2	*	PAOZZ
168	74A582098-2001	BRACKET (76301)	2		MGOZZ
	NAS674V3	. BOLT (AP)	1		PAOZZ
	AN960JD416	. WASHER (AP)	1		PAOZZ
	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 168)	2	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M) (USE WITH INDEX 168)	2	*	PAOZZ
169	74A582141-1001	. BRACKET ASSY - VENT/TRANSMITTER,	1		XBOOO
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
170	74A582060-2013	. TEE (76301)	1		XBOZZ
	MS20470AD5 #	. RIVET (AP)	3		-
171	74A582060-2017	. TEE (BASE) (76301)	1		XBOZZ
172	74A582060-2015	. TEE (76301)	1		XBOZZ
	MS20426AD5 #	. RIVET (AP)	4		-
173	74A582141-2003	. SUPPORT (76301)	1		MGOZZ
175	MS20426AD5 #	. RIVET (AP)	3		-
174	74A582141-2005	DOUBLER (76301)	1		MGOZZ
177	MS20426AD4#	. RIVET (AP)	4		-
175	74A582141-2001	BRACKET (76301)	1		MGOZZ
176	74A582079-2003	SUPPORT (76301)	1		XBOZZ
170	NAS674V3	BOLT (AP)	4		PAOZZ
	AN960JD416	WASHER (AP)	4		PAOZZ
177	74A582149-2001	SUPPORT - TUBE ASSY, WG XTR LINE, TK NO. 1 Y374.80, F/A-18B (76301)	1		MGOZZ
	NAS674V3	BOLT (AP)	2		PAOZZ
	AN960JD416	WASHER (AP)	2		PAOZZ
178	74A582074-2003	. SUPPORT (76301)	1		XBOZZ
170	NAS674V3	BOLT (AP)	4		PAOZZ
	AN960JD416	WASHER (AP)	4		PAOZZ
179	74A585735-2001 ¶	RETAINER, FUEL CELL FITTING - BHD,	1		PAOZZ
1/9	/4A585/55-2001 ¶	1.00 DIA, ASSY OF (76301) (REPLACES 74A585735-1001)	1		PAOZZ
	74A585735-1001 ¶	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	S	PAOZZ
	LS580178-101 ¶	LOCKNUT, TUBE FITTING - BHD CONN, 1.00 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580178-101) (USE UNTIL EXHAUSTED)	1	D	PAOBZ
180	MS29513-325	. PACKING	1		PAOZZ
181	74A585734-2001 ¶	RETAINER, FUEL CELL FITTING - BHD 1.25 DIA, ASSY OF (76301) (REPLACES 74A585734-1001)	1		PAOZZ
	74A585734-1001 ¶	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	T	PAOZZ
	LS580171-101 ¶	. LOCKNUT, TUBE FITTING - BHD CONN, 1.25 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580171-101) (USE UNTIL EXHAUSTED)	1	D	PAOBZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 21)

	T	1			, , , , , , , , , , , , , , , , , , , ,
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
182	MS29513-327	. PACKING	1		PAOZZ
183	74A585730-2001 ¶	RETAINER ASSEMBLY - FUEL CELL	2		PAOZZ
	74A585730-1001 ¶	. SEE ABOVE (USE UNTIL EXHAUSTED)	2	T	PAOZZ
	LS580174-101 ¶	LOCKNUT, TUBE FITTING - BHD CONN, 2.50 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580174-101) (USE UNTIL EXHAUSTED)	1	D	PAOBZ
184	MS29513-337	. PACKING	2		PAOZZ
185	74A585736-2001 ¶	. RETAINER, FUEL CELL FITTING - BHD, 0.375 DIA, ASSY OF (76301) (REPLACES 74A585736-1001)	1		PAOZZ
	74A585736-1001 ¶	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	S	PAOZZ
	74A586450-1003 ¶	. NUT, EXTENDED WASHER, HEXAGON SELF-LOCKING, BHD CONN (76301)	1	D	PAOZZ
186	74A582070-1013	. SUPPORT - PUMP, FUEL EJECTOR, TANK NO. 1 Y379.5 (76301) (REPLACES 74A582070-1007 OR 74A582070-1011) (FOR REPAIR SEE WP106 00)	1		XBOOO
	74A582070-1011	. SEE ABOVE	1	Н	XBOOO
	74A582070-1007	. SEE ABOVE	1	J	XBOOO
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
187	74A582072-1001	. SUPPORT - EJECTOR ELBOW, FUEL, TANK NO. 1 (76301)	1	V	XBOOO
	74A582071-1005	. BRACKET - EJECTOR ELBOW, FUEL TANK NO. 1 (76301)	1	G	XBOOO
	74A582071-1003	. BRACKET - EJECTOR ELBOW, FUEL TANK NO. 1 (76301)	1	X	XBOOO
	NAS674V3	. BOLT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
188	74A585733-2001 ¶	. RETAINER, FUEL CELL FITTING - BHD	1		PAOZZ
	74A585733-1001 ¶	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	S	PAOZZ
	LS580173-101 ¶	LOCKNUT, TUBE FITTING - BHD CONN,	1	D	PAOBZ
189	74A585731-2001 ¶	. RETAINER, FUEL CELL FITTING	1		PAOZZ
	74A585731-1001 ¶	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	T	PAOZZ
	LS580177-101 ¶	. LOCKNUT, TUBE FITTING - SPCL BHD	1	D	PAOBZ
190	MS29513-339	PACKING	3		PAOZZ
191	74A582090-1005	. SUPPORT - VALVE, PILOT, FLOAT, MOTIVE FLOW, TANK NO. 1 (76301) (REPLACES 74A582090-1003) (FOR REPAIR SEE WP105 00)	1		XB000
	74A582090-1003	SEE ABOVE (REPLACED BY		A	XBOOO
	NAS674V2	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 22)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
192	2760110-102	. VALVE, FLOAT, AIRCRAFT - FUEL	1		PAOZZ
	2760110-101	. SEE ABOVE	1	*	PAOZZ
	NAS674V5	. BOLT (AP)	3		PAOZZ
	AN960JD416	. WASHER (AP)	3		PAOZZ
193	74A582073-2003	. SUPPORT, TRANSMITTER (76301)	1		PAOZZ
	74A582062-2003	. SEE ABOVE	1	*	PAOZZ
	NAS663V2HT	. SCREW (AP)	3		PAOZZ
194	MS29513-213	. PACKING	5		PAOZZ
195	74A586450-1009	. NUT, EXTENDED WASHER, HEXAGON SELF-LOCKING, BHD CONN (76301) (REPLACES 74A586450-1001)	3		PAOZZ
	74A586450-1001	. NUT, EXTENDED WASHER, HEXAGON SELF LOCKING, BHD CONN (76301) (USE UNTIL EXHAUSTED)	3	E	PAOZZ
196	7M35-6	. CAP ASSY (76301)	1		PAOZZ
197	AN929-4	. CAP ASSEMBLY (76301)	1	L	PAOZZ
198	74A586450-1003	. NUT, EXTENDED WASHER HEXAGON SELF-LOCKING, BHD CONN (76301)	1		PAOZZ
199	74A582102-2001	. BRACKET (76301)	1		MGOZZ
	NAS674V3	. BOLT (AP)	1		PAOZZ
	AN960JD416	. WASHER (AP)	1		PAOZZ
200	74A582073-2001	. SUPPORT, TRANSMITTER (76301)	1		PAOZZ
	74A582062-2001	. SEE ABOVE	1	*	PAOZZ
	NAS673V2	. BOLT (AP)	3		PAOZZ
	AN960JD10L	. WASHER (AP)	3		PAOZZ
201	74A585730-2001 ¶	. RETAINER ASSEMBLY - FUEL CELL, FITTING, BHD, 2.5 DIA (76301) (REPLACES 74A585730-1001)	1		PAOZZ
	74A585730-1001 ¶	. RETAINER ASSEMBLY - FUEL CELL FITTING, BHD, 2.50 DIA (76301) (USE UNTIL EXHAUSTED)	1	T	PAOZZ
	LS580174-101 ¶	. LOCKNUT, TUBE FITTING - BHD CONN, 2.50 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580174-101) (USE UNTIL EXHAUSTED)	1	D	PAOBZ
202	MS29513-337	. PACKING	1		PAOZZ
203	74A582072-2003	. SUPPORT (76301) (SUPERSEDES	1		XBOZZ
	MS20426AD4#	. RIVET (AP)	4		-
204	74A582071-2005	. RETAINER (76301)	1	X	MGOZZ
205	74A582088-2007	. SUPPORT (76301)	1	Y	XBOZZ
	MS20426AD4 #	. RIVET (AP)	4		-
206	NAS6604-7	BOLT	10		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 206)	10		PAOZZ

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 23)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	74K580001-1015 ††	PACKING ASSORTMENT, PREFORMED - FUEL TANK NO. 1 (76301)	1		PAOZZ
	74K580001-1011	. PACKING ASSORTMENT (SEE ABOVE)	1	*	PAOZZ
	NAS1523C16F	. PACKING (WITH RETAINER)	1		XAOZZ
	MS29513-349	. PACKING	1		XAOZZ
	MS29513-339	. PACKING	3		XAOZZ
	MS29513-337	. PACKING	2		XAOZZ
	MS29513-335	. PACKING	3		XAOZZ
	MS29513-334	. PACKING	1		XAOZZ
	MS29513-333	. PACKING	8		XAOZZ
	MS29513-327	. PACKING	1		XAOZZ
	MS29513-325	. PACKING	1		XAOZZ
	MS29513-232	. PACKING	1		XAOZZ
	MS29513-230	. PACKING	5		XAOZZ
	MS29513-229	. PACKING	2		XAOZZ
	MS29513-226	. PACKING	1		XAOZZ
	MS29513-222	. PACKING	2		XAOZZ
	MS29513-218	. PACKING	1		XAOZZ
	MS29513-214	. PACKING	3		XAOZZ
	MS29513-213	. PACKING	5		XAOZZ
	MS29513-116	. PACKING	2		XAOZZ
	M25988/1-315	. PACKING	12		XAOZZ
	M25988/1-312	. PACKING	19		XAOZZ
	M25988/2-116	. PACKING	1		XAOZZ

^{††} USER MAY COMPLETE TANK INSTALLATION AND HAVE PACKINGS REMAINING BECAUSE KIT CONTAINS ENOUGH PACKINGS TO COVER ALL EFFECTIVITIES.

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 24)

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

[#] LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

[¶] NUTS ARE USED WITH PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS ARE USED WITH NON-PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS AND NON-PROTRUDING TYPE BULKHEAD CONNECTORS ARE REPLACEMENT PARTS FOR NUTS AND PROTRUDING TYPE BULKHEAD CONNECTORS REF WP040 00 AND WP013 02.

[@] ON 161704 THRU 161947 THIS FUEL TANK MUST ALSO INCLUDE 74A582075 BLOCK. (REF WP017 02 AND A1-F18AC-SRM-220, WP031 05).

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE	
--------------	----------------	---------------------------	----------------------	-------------------	--------------	--

- ‡ NAS43DD9-13 SPACER MUST BE USED WITH 2770042-107 AND 2770042-109 ONLY.
- + USE WITH 472995-411.
- Ø USE MAXIMUM OF 3 WASHERS AT ONE BOLT LOCATION TO IMPROVE ALIGNMENT.
- ++ THESE PARTS MUST BE USED TOGETHER. (TUBE WITHOUT ORIFACE USES ELBOW WITH ORIFACE)
- † THESE PARTS MUST BE USED TOGETHER. (TUBE WITH ORIFACE USES STANDARD ELBOW)

CODE	USABLE ON	MODEL
A	161354 THRU 161746	F/A-18B
В	161704 THRU 161746 BEFORE F/A-18 AFC 39	F/A-18B
С	161924 & UP; ALSO 161354 THRU 161746 AFTER F/A-18 AFC 39	F/A-18B
D	161354 THRU 161714	F/A-18B
E	161354 THRU 161932	F/A-18B
F	161704 THRU 163115 BEFORE IAFC 115	F/A-18B
G	161932 THRU 161947 ALSO 161354 THRU 161924 AFTER F/A-18 AI 39, BEFORE F/A-18 IAFO 115	
Н	161740 & 161746	
J	161354 THRU 161733	F/A-18B
K	161704 THRU 161947 BEFORE F/A-18 AFC 53	F/A-18B
L	162402 & UP; ALSO 161354 THRU 161947 AFTER F/A-18 AFC 53	F/A-18B
M	161704 THRU 161924 BEFORE F/A-18 AFC 39	F/A-18B
N	161932 & UP; ALSO 161354 THRU 161924 AFTER F/A-18 AFC 39	F/A-18B

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 25)

Page 27/(28 blank)

INDEX NO.	PART NUMBER	1 2 3 4	DESCRIPTION 1 5 6 7	I	UNITS PER ASSY	USE ON CODE	SM&R CODE
		P	161354 THRU 161947	F/A-18B			
		Q	161704 & UP; ALSO 161354 THRU 161360 AFTER F/A-18 AFC 39	F/A-18B			
		R	163123 & UP ALSO 161354 THRU 163115 AFTER F/A-18 IAFC 115	F/A-18B			
		S	161719 THRU 162413	F/A-18B			
		T	161719 THRU 162408	F/A-18B			
		U	161354 & UP AFTER F/A-18 IAFC 115	F/A-18B			
		V	162402 AND UP, ALSO 161354 THRU 161947 AFTER F/A-18 IAFC 115	F/A-18B			
		W	161354 & UP BEFORE F/A-18 IAFC 115	F/A-18B			
		X	161354 THRU 161924 BEFORE F/A-18 IAFC 11: AND F/A-18 AFC 39	F/A-18B			
		Y	161932 & UP; ALSO 161354 THRU 161924 AFTER F/A-18 AFC 39, AND F/A-18 IAFC 115	F/A-18B			

Figure 1. No. 1 Fuel Tank (5CAC611) F/A-18B (Sheet 26)

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

NO. 1 FUEL TANK INSPECTION AND FOLDING

FUEL STORAGE SYSTEM

Reference Material

Fuel System	A1-F18AC-460-300
Fuel Tank Fitting Repair	WP036 00
Ground Support Equipment	WP009 01
Aircraft Fuel Cells and Internal/External Tanks	NAVAIR 01-1A-35
Installation - No. 1 Fuel Tank F/A-18A	WP011 00
Installation - No. 1 Fuel Tank F/A-18B	WP015 00

Alphabetical Index

Subject	Page No
Cleaning	3
Fuel Tank Handling Precautions	2
Inspection	2
Installation	2
Materials Required	2
No. 1 Fuel Tank Folding, Figure 1	
Removal	2
Support Fauinment Pequired	2

Record of Applicable Technical Directives

None

Page 2

Support Equipment Required

Part Number or Type Designation	Nomenclature
4D460104-1003	Fuel Cell Installation/ Removal Grommet Set
SK-2950	Protector Cap Kit (F/A-18B)
SK-2951	Protector Cap Kit (F/A-18A)
MMEP-12B	Hot Air Blower
0900R	Fuel Tank Strap Assembly

Materials Required

or Part Number	Nomenclature
MIL-B-131, Class 1 (CAGE 81349)	Barrier Material
A-A-42 (CAGE 81348)	Talcum Powder
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
TT-I-735 (CAGE 81348)	Isopropyl Alcohol
-	Plastic or Wooden Scraper

1. FUEL TANK HANDLING PRECAUTIONS.

- a. Do not remove tank from storage container until ready for installation or inspection.
- b. Do not drag or tumble fuel tank or use fittings for handles.
- c. After removal from container keep fuel tank on clean barrier material.
 - d. Keep tank out of direct sunlight.
- e. Tank and cavity must be at least 60°F before folding for removal and installation. Use hot air blower as required.

- f. Do not wear shoes, jewelry, or use any sharp objects while folding fuel tank. Wear only clean cotton overalls with no pockets or buttons and clean white socks.
 - g. Do not stand or kneel on tank.
 - h. Do not crease or fold areas around fittings.
 - i. Do not rest folded tank on sharp edges.
 - j. Do not keep tank folded more than 8 hours.
 - k. Follow folding procedure in figure 1.
- 1. Use four fuel tank straps to compress folded tank (WP009 01).

2. **REMOVAL**.

- a. Observe applicable fuel tank handling precautions.
 - b. Install protector cap kit on fuel tank fittings.

NOTE

Use fuel cell removal/installation tool set, as required, to remove tank from cavity.

c. Using straps and ratchet (WP009 01) fold and remove fuel tank per figure 1.

3. INSTALLATION.

- a. Inspect fuel tank per paragraph 4.
- b. Using straps and ratchet (WP009 01), fold fuel tank for installation per figure 1.

4. INSPECTION. (QA)

- a. Inspect fuel tank per NAVAIR 01-1A-35 and substeps below:
 - (1) Inspect fuel tank interior for loose liner lap.
- (2) A loose liner lap is allowable up to 1/4 inch width for complete length of liner lap,

- if 1 inch bond is maintained on fabric liner and 1/4 inch on rubber liner.
- (3) Inspect for and remove foreign material in access fitting floating nuts.
- (4) Inspect for and clean (paragraph 5) all fittings of:
 - (a) dirt
 - (b) grease
 - (c) corrosion
 - (d) burrs
- (e) foreign material that would prevent packing seal
- (5) Inspect for and repair (WP036 00) fittings with:
 - (a) cracks
 - (b) scratches at tank/cavity sealing surface
 - (c) nicks at tank/cavity sealing surface
 - (d) distortion

- (e) damaged threads
- (f) sharp edges
- (g) damage that would cause mismatch or prevent packing seal

5. CLEANING.









Isopropyl Alcohol, TT-I-735

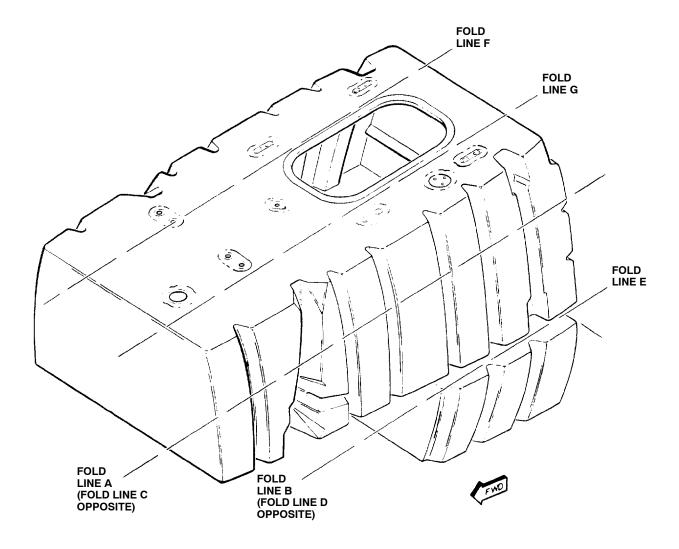
4



To prevent scratches, use only a plastic or wooden scraper, and clean lint-free cheesecloth to remove foreign material from fuel tank fittings.

- a. Using a plastic or wooden scraper, and clean lint-free cheesecloth moistened with isopropyl alcohol, remove dirt, grease or foreign material.
- b. Wipe area with clean dry cheesecloth before alcohol evaporates.

- 1 OBSERVE PARAGRAPH 1 HANDLING PRECAUTIONS.
- 2 LAYOUT TANK ON PROTECTIVE MATERIAL.
- 3 APPLY PROTECTOR CAPS TO ACCESS FITTING AND TO ALL FITTINGS ON INSIDE OF TANK.
- 4 LIGHTLY DUST OUTSIDE OF TANK WITH TALCUM POWDER.



F/A-18A TANK SHOWN F/A-18B SIMILAR

Figure 1. No. 1 Fuel Tank Folding (Sheet 1)

CAUTION

DO NOT CREASE OR FOLD AREA AROUND FITTINGS

NOTE

TO EASE STRAPPING OF TANK, POSITION STRAPS UNDER TANK BEFORE FOLDING

- 5. FOLD BACK OF TANK IN ALONG FOLD LINE E.
- 6 FOLD SIDES IN ALONG FOLD LINES A, B, C AND D.

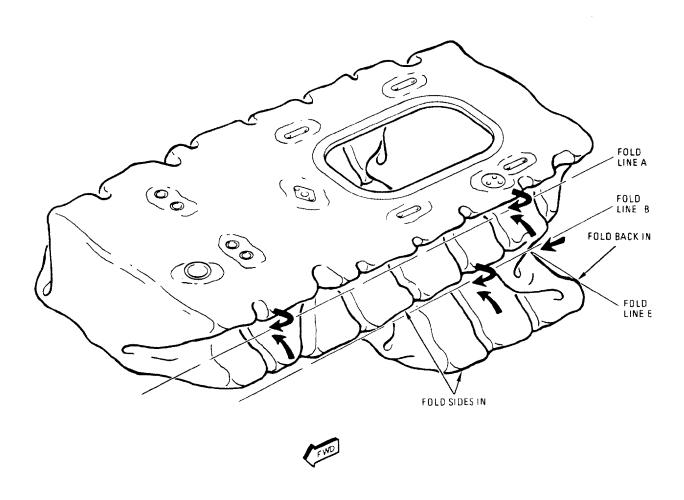
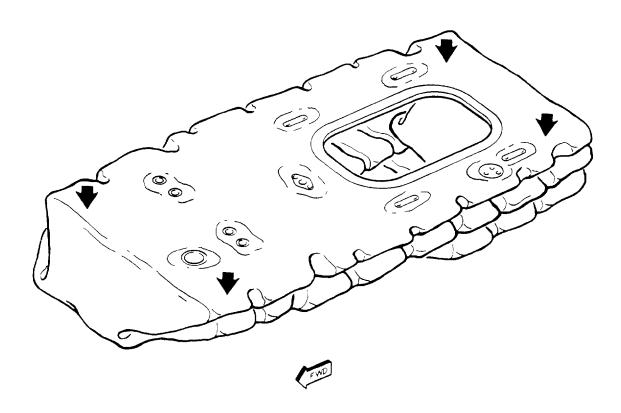


Figure 1. No. 1 Fuel Tank Folding (Sheet 2)

7 FLATTEN TANK, DISPERSING WRINKLES AND FOLDS.



18AC-460-30-(34-3)

- 8. FOLD LEFT SIDES OVER AT FOLD LINE G.
- 9. FOLD RIGHT SIDES OVER AT FOLD LINE F.

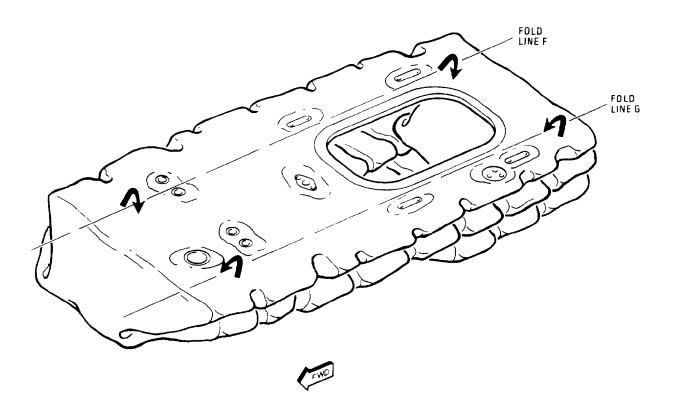


Figure 1. No. 1 Fuel Tank Folding (Sheet 4)

18AC-460-30-(34-4)

CAUTION

DO NOT CREASE OR FOLD AREAS AROUND FITTINGS.

- 10. POSITION AND HANDTIGHTEN STRAPS IN FOUR PLACES.
- 11. DUST GROMMET WITH TALCUM POWDER.
- 12. SLIDE GROMMET OVER LENGTH OF TANK TO MAKE SURE IT WILL FIT THROUGH ACCESS OPENING.

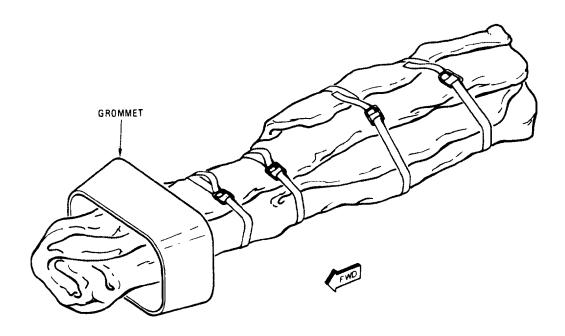


Figure 1. No. 1 Fuel Tank Folding (Sheet 5)

- 13 INSTALL GROMMET IN ACCESS OPENING.
- 14. IF INSTALLING TANK, INSTALL AFT END FIRST.
- 15 IF REMOVING TANK, REMOVE FORWARD END FIRST.

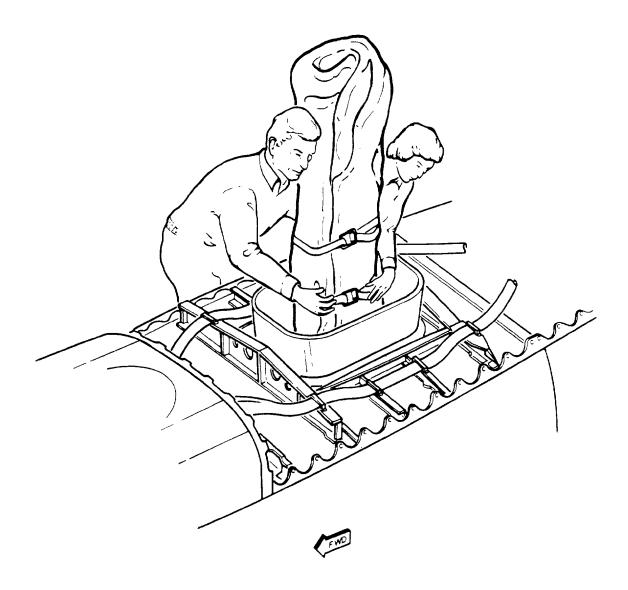


Figure 1. No. 1 Fuel Tank Folding (Sheet 6)

2

2

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

NO. 1 FUEL TANK CAVITY FOAM/HONEYCOMB FILLER

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18A

Reference Material

Fuel Tank Maintenance Precautions and General Preparation	
Alphabetical Index	Page No. 3 4 11 2 2
Subject	Page No.
Illustrated Parts Breakdown	3
Illustration	4
Parts List	11
Installation	2
Materials Required	2
No. 1 Fuel Tank Cavity Foam Filler - F/A-18A, Figure 1	4

Record of Applicable Technical Directives

None

Support Equipment Required

Part Number or	
Type Designation	

Nomenclature

- Brush Paint Type (1 inch)

Materials Required

Specification or Part Number	Nomenclature
TT-I-735 (CAGE 81348)	Isopropyl Alcohol
CCC-C-440 Type I, Class I (CAGE 81348)	Cheesecloth
EC-847 (CAGE 76381)	Adhesive
MIL-S-81733 Type I-1/2 (CAGE 81349)	Sealing Compound
-	Plastic or Wooden Scraper

1. REMOVAL.

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
 - b. Remove honeycomb that is:
 - (1) damaged
 - (2) loose
 - c. Remove foam filler that is:
 - (1) damaged
 - (2) loose

- (3) Fuel Soaked (Fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00).
 - d. Remove anti-chafe tape that is:
 - (1) damaged
 - (2) loose
- e. Scrape away sealant using plastic or wooden scraper.

2. INSTALLATION.

3. HONEYCOMB.

a. Observe applicable fuel tank maintenance precautions (WP013 00).









Isopropyl Alcohol, TT-I-735

.

NOTE

Clean area to be bonded immediately before applying sealing compound.

- b. Clean surface to be bonded with cheesecloth moistened with isopropyl alcohol. Wipe with clean, dry cheesecloth before alcohol evaporates.
- c. Repeat above step until no visible contamination remains.







Sealing Compound, MIL-S-81733 Type I-1/2

Ç

d. Brush sealing compound to corners of structure being bonded.

NOTE

When inserting honeycomb over fasteners or around fittings, honeycomb may be crushed locally as applicable.

- e. Position honeycomb in structure. Apply hand pressure to honeycomb to assure proper contact with sealing compound.
 - f. Remove excess sealant from fittings.
- g. Apply anti-chafe tape to honeycomb (WP039 00).

4. **FOAM**.

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
 - b. Apply anti-chafe tape per WP039 00.
- c. Fasteners protruding 0.125 inch require foam filler and anti-chafe tape. Refer to WP039 00.









Isopropyl Alcohol, TT-I-735

- d. Clean surface to he bonded with cheesecloth moistened with isopropyl alcohol. Wipe with clean, dry cheesecloth before alcohol evaporates.
- e. Repeat above step until no visible contamination remains.

- f. Surface of foam to be bonded must be roughened to expose foam cells.
- g. Position foam in place. Apply hand pressure to allow forming around structure and fasteners. Trim as required.









Adhesive, EC-847

10

- h. Apply adhesive to either foam or structure so that foam will be held at edges. Undercut edges or surfaces over protruding fasteners do not have to be bonded. Complete coverage of adhesive is required only on foam that is suspended. Additional adhesive may be used sparingly on larger blocks.
- i. Allow adhesive to dry until tacky (5 to 10 minutes). Position foam in place, apply hand pressure to assure proper seating and remove trapped air.
 - j. Remove excess adhesive from fittings.
- k. Allow bonded foam to air cure a minimum of 2 to 4 hours before fuel cell installation.

5. ILLUSTRATED PARTS BREAKDOWN.

6. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

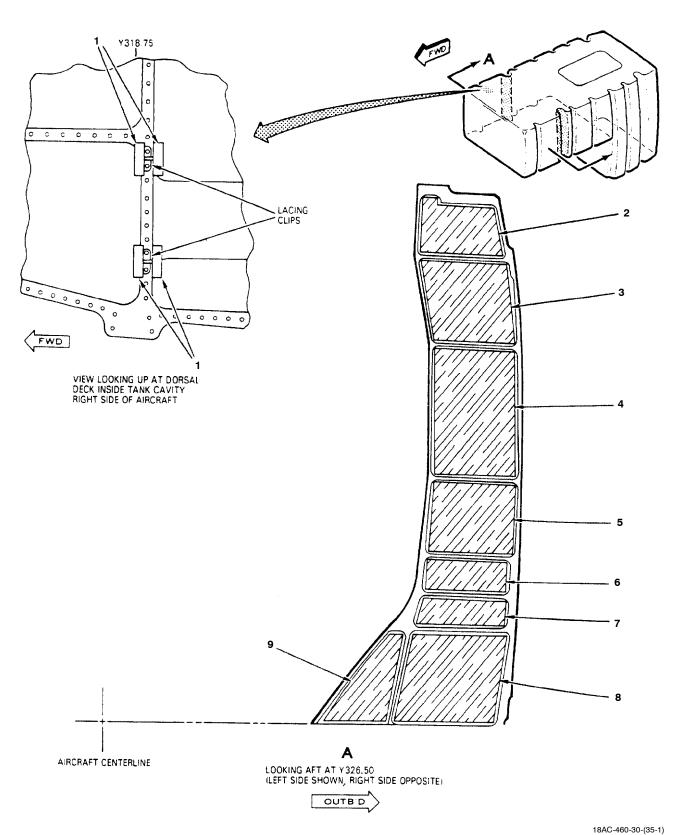


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18A (Sheet 1)

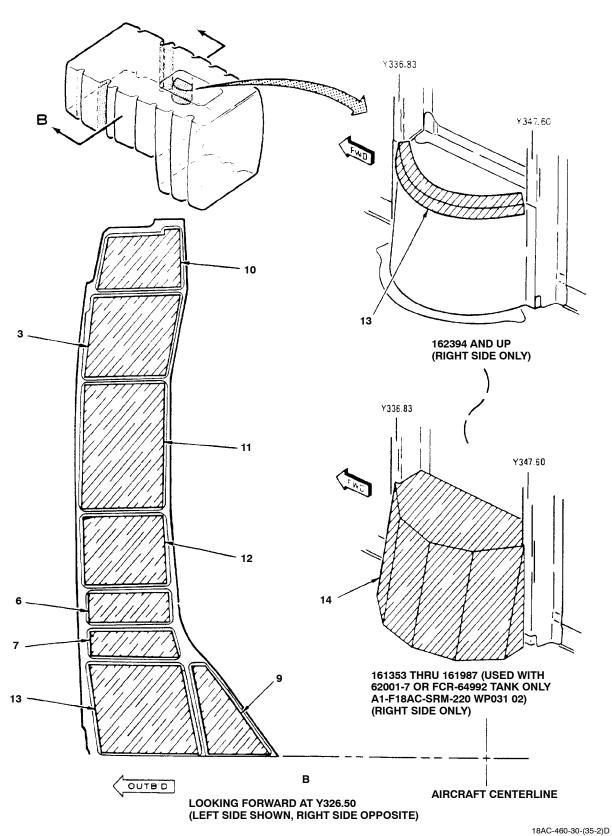


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18A (Sheet 2)

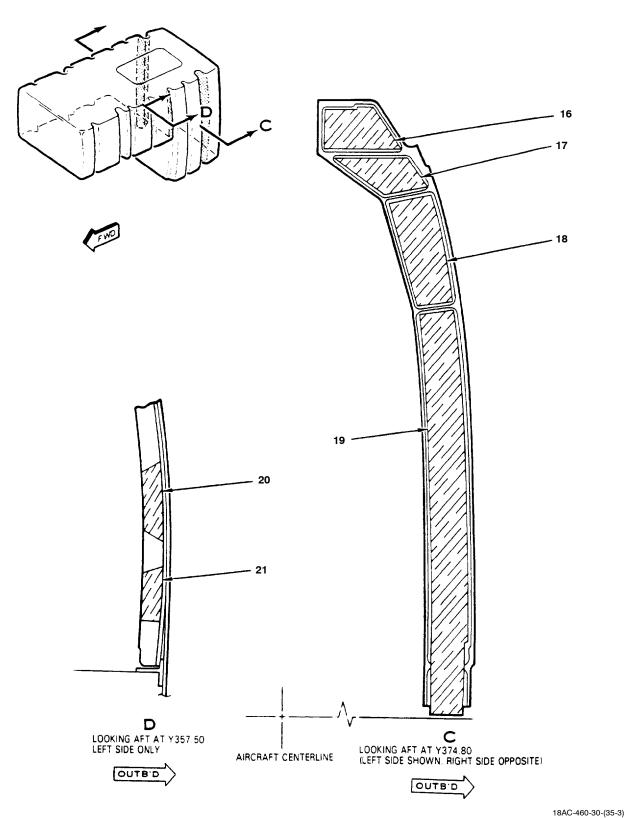


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18A (Sheet 3)

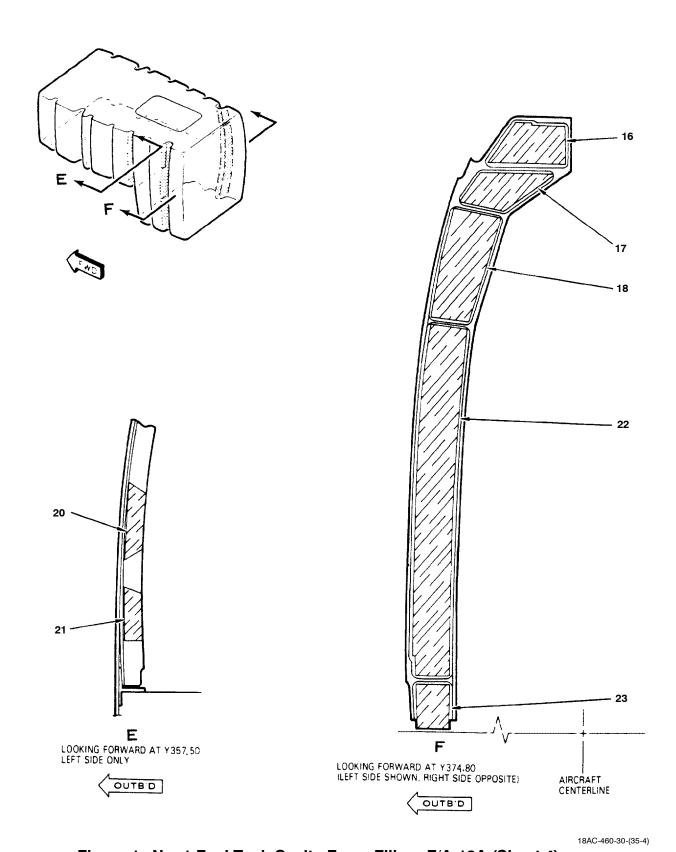


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18A (Sheet 4)

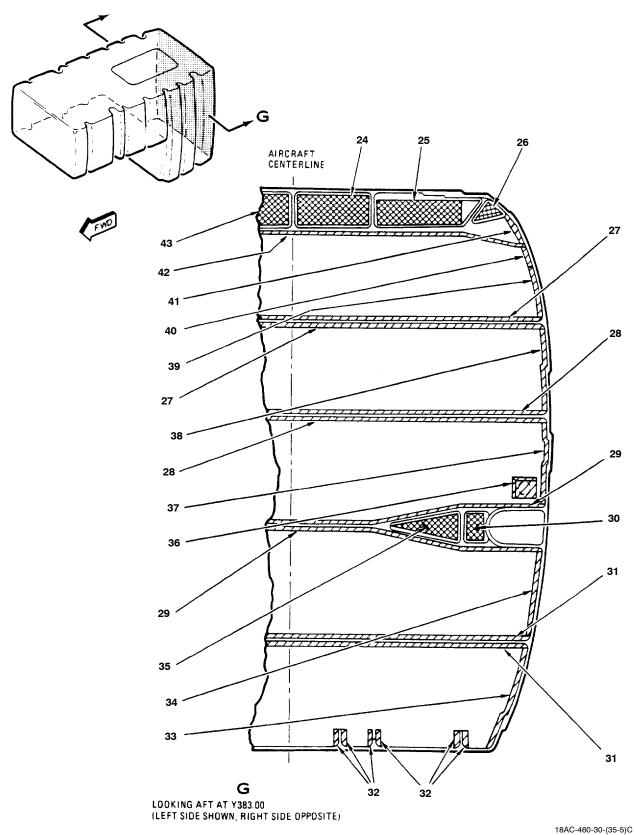


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18A (Sheet 5)

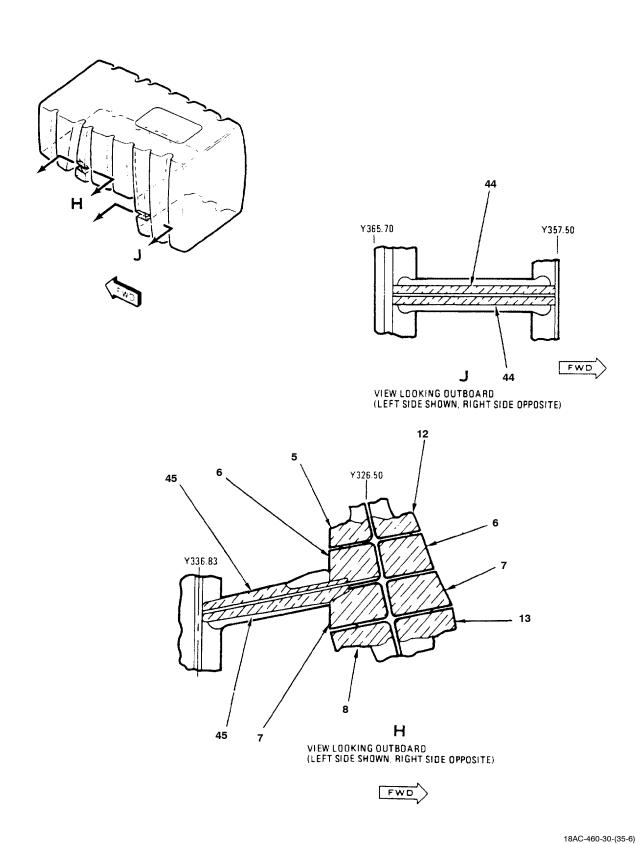
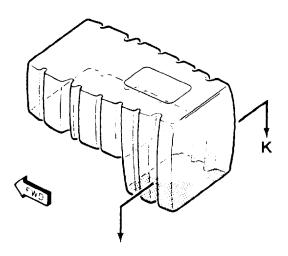


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18A (Sheet 6)



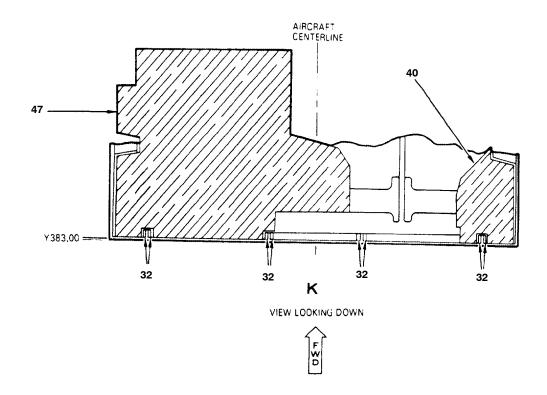


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18A (Sheet 7)

18AC-460-30-(35-7)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER	USE ON	SM&R CODE
		1 2 3 4 5 6 7	ASSY	CODE	
		NO. 1 FUEL TANK CAVITY FOAMFILLER - F/A-18A			
1	74A314670-2255 +	. BLOCK (FOAM) (76301)	4	D	MGOZZ
2	74A314670-2211 +	BLOCK (FOAM) (76301)(LEFT SIDE)	1	A	MGOZZ
	74A314670-2259 +	BLOCK (FOAM) (76301)(LEFT SIDE)	1	В	MGOZZ
	74A314670-2212 +	BLOCK (FOAM) (76301) (RIGHT SIDE)	1	A	MGOZZ
	74A314670-2260 +	BLOCK (FOAM) (76301)(RIGHT SIDE)	1	В	MGOZZ
3	74A314670-2217 +	BLOCK (FOAM) (76301)(LEFT SIDE)	2		MGOZZ
	74A314670-2218 +	BLOCK (FOAM) (76301)(RIGHT SIDE)	2		MGOZZ
4	74A314670-2205 +	BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314670-2206 +	BLOCK (FOAM) (76301) (RIGHT SIDE)	1		MGOZZ
5	74A314670-2213 +	BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314670-2214 +	BLOCK (FOAM) (76301) (RIGHT SIDE)	1		MGOZZ
6	74A314670-2207 +	BLOCK (FOAM) (76301)(LEFT SIDE)	2		MGOZZ
	74A314670-2208 +	BLOCK (FOAM) (76301)(RIGHT SIDE)	2		MGOZZ
7	74A314670-2199 +	. BLOCK (FOAM) (76301)	1		MGOZZ
-	74A314670-2200 +	BLOCK (FOAM) (76301)	1		MGOZZ
8	74A314670-2197 +	BLOCK (FOAM) (76301) (LEFT SIDE)	1		MGOZZ
-	74A314670-2198 +	BLOCK (FOAM) (76301)	1		MGOZZ
9	74A314670-2219 +	BLOCK (FOAM) (76301)(LEFT SIDE)	2		MGOZZ
	74A314670-2220 +	BLOCK (FOAM) (76301) (RIGHT SIDE)	2		MGOZZ
10	74A314670-2209 +	. BLOCK (FOAM) (76301)	1	A	MGOZZ
	74A314670-2257 +	BLOCK (FOAM) (76301)(LEFT SIDE)	1	В	MGOZZ
	74A314670-2210 +	BLOCK (FOAM) (76301)(RIGHT SIDE)	1	A	MGOZZ
	74A314670-2258 +	BLOCK (FOAM) (76301)(RIGHT SIDE)	1	В	MGOZZ
11	74A314670-2203 +	BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314670-2204 +	BLOCK (FOAM) (76301)(RIGHT SIDE)	1		MGOZZ
12	74A314670-2215 +	BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314670-2216 +	BLOCK (FOAM) (76301) (RIGHT SIDE)	1		MGOZZ

Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18A (Sheet 8)

		T		UNITS	USE	
INDEX	PART		DESCRIPTION	PER	ON	SM&R
NO.	NUMBER	1	2 3 4 5 6 7	ASSY	CODE	CODE
13	74A314670-2195 +		BLOCK (FOAM) (76301)	1		MGOZZ
			(LEFT SIDE)			
	74A314670-2196 +		BLOCK (FOAM) (76301) (RIGHT SIDE)	1		MGOZZ
14	74A314670-2261 +		BLOCK (FOAM) (76301)	1	C	MGOZZ
15	74A582075-2001 @+		BLOCK (FOAM) (76301)	1		MGOZZ
16	74A314670-2225 +		BLOCK (FOAM) (76301) (LEFT SIDE)	3		MGOZZ
	74A314670-2226 +		BLOCK (FOAM) (76301)(RIGHT SIDE)	2		MGOZZ
17	74A314670-2227 +		BLOCK (FOAM) (76301)(LEFT SIDE)	2		MGOZZ
	74A314670-2228 +	•	BLOCK (FOAM) (76301)(RIGHT SIDE)	2		MGOZZ
18	74A314670-2229 +		BLOCK (FOAM) (76301)(LEFT SIDE)	2		MGOZZ
	74A314670-2230 +		BLOCK (FOAM) (76301)(RIGHT SIDE)	2		MGOZZ
19	74A314670-2223 +		BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314670-2224 +		BLOCK (FOAM) (76301)(RIGHT SIDE)	1		MGOZZ
20	74A314670-2239 +		BLOCK (FOAM) (76301)	2		MGOZZ
21	74A314670-2241 +		BLOCK (FOAM) (76301)	2		MGOZZ
22	74A314670-2221 +		BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314670-2222 +		BLOCK (FOAM) (76301)(RIGHT SIDE)	1		MGOZZ
23	74A314670-2231 +	•	BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314670-2232 +		BLOCK (FOAM) (76301)(RIGHT SIDE)	1		MGOZZ
24	74A314670-2193 +		BLOCK (HONEYCOMB) (76301)	1		MGOZZ
25	74A314670-2099 +		BLOCK (HONEYCOMB) (76301)(LEFT SIDE)	1		MGOZZ
	74A314670-2100 +		BLOCK (HONEYCOMB) (76301) (RIGHT SIDE)	1		MGOZZ
26	74A314670-2109 +		BLOCK (HONEYCOMB) (76301)(LEFT SIDE)	1		MGOZZ
	74A314670-2110 +	•	BLOCK (HONEYCOMB) (76301) (RIGHT SIDE)	1		MGOZZ
27	74A314670-2243 +		BLOCK (FOAM) (76301)	2		MGOZZ
28	74A314670-2201 +		BLOCK (FOAM) (76301)	2		MGOZZ
29	74A314670-2249 +		BLOCK (FOAM) (76301)	2		MGOZZ
30	74A314670-2105 +		BLOCK (HONEYCOMB) (76301)	2		MGOZZ
31	74A314670-2247 +		BLOCK (FOAM) (76301)	2		MGOZZ
32	74A314670-2233 +		BLOCK (FOAM) (76301)	12		MGOZZ
33	74A314670-2275 +		BLOCK (FOAM) (76301)	2		MGOZZ
34	74A314670-2273 +		BLOCK (FOAM) (76301)	2		MGOZZ
35	74A314670-2107 +		BLOCK (HONEYCOMB) (76301)	2		MGOZZ
36	74A314670-2263 +		BLOCK (FOAM) (76301)	2		MGOZZ
37	74A314670-2271 +		BLOCK (FOAM) (76301)	2		MGOZZ
38	74A314670-2269 +		BLOCK (FOAM) (76301)	2		MGOZZ
39	74A314670-2267 +		BLOCK (FOAM) (76301)	2		MGOZZ
40	74A314670-2265 +	٠	BLOCK (FOAM) (76301)	1		MGOZZ

Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18A (Sheet 9)

Page 13/(14 blank)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
41	74A314670-2277 +		BLOCK (FOAM) (76301)	1		MGOZZ
	74A314670-2278 +		BLOCK (FOAM) (76301)	1		MGOZZ
42	74A314670-2245 +		BLOCK (FOAM) (76301)	1		MGOZZ
43	74A314670-2089 +		BLOCK (HONEYCOMB) (76301)	1		MGOZZ
44	74A314670-2237 +		BLOCK (FOAM) (76301)	4		MGOZZ
45	74A314670-2235 +		BLOCK (FOAM) (76301)	4		MGOZZ
46	74A314670-2253 +		PAD (FOAM) (76301)	1		MGOZZ
47	74A314670-2251 +		PAD (FOAM) (76301)	1		MGOZZ

[@] THIS BLOCK MUST BE USED IF 62001-7 OR FCR-64992 TANK IS INSTALLED ON 161353 THRU 161987.

⁺ REFER TO A1-F18AC-SRM-220, WP031 01, WP031 02 FOR FOAM BLOCK DIMENSIONS.

CODE	USABLE ON	MODEL
A	161353 THRU 161761	F/A-18A
В	161925 & UP	F/A-18A
C	162394 & UP	F/A-18A
D	161353 THRU 161987	F/A-18A

Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18A (Sheet 10)

Fuel System

A1-F18AC-460-300

2

4

2

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

NO. 1 FUEL TANK CAVITY FOAM/HONEYCOMB FILLER

FUEL STORAGE SYSTEM

EFFECTIVITY: F/A-18B

Reference Material

Tuel System	100 500				
Fuel Tank Maintenance Precautions and General Preparation					
Fuel Tank Cavity Preparation					
Alphabetical Index					
Subject	Page No.				
Illustrated Parts Breakdown	3				
Illustration	4				
Parts List	20				
Installation	2				

Materials Required

No. 1 Fuel Tank Cavity Foam Filler - F/A-18A, Figure 1

Record of Applicable Technical Directives

None

Support Equipment Required

Part Number or Type Designation

Nomenclature

Brush, Paint Type (1 inch)

Materials Required

Specification or Part Number	Nomenclature
-	Plastic or Wooden Scraper
TT-I-735 (CAGE 81348)	Isopropyl Alcohol
CCC-C-440 Type I, Class I (CAGE 81348)	Cheesecloth
EC-847 (CAGE 76381)	Adhesive
MIL-S-81733 Type I-1/2 (CAGE 81349)	Sealing Compound

1. REMOVAL

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
 - b. Remove honeycomb that is:
 - (1) damaged
 - (2) loose
 - c. Remove foam filler that is:
 - (1) damaged
 - (2) loose
- (3) Fuel Soaked (Fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00.)

- d. Remove anti-chafe tape that is:
 - (1) damaged
 - (2) loose
- e. Scrape away sealant using plastic or wooden scraper.

2. INSTALLATION.

3. HONEYCOMB.

a. Observe applicable fuel tank maintenance precautions (WP013 00).









Isopropyl Alcohol, TT-I-735

4

NOTE

Clean area to be bonded immediately before applying sealing compound.

- b. Clean surface to be bonded with cheesecloth moistened with isopropyl alcohol. Wipe with clean, dry cheesecloth before alcohol evaporates.
- c. Repeat above step until no visible contamination remains.







Sealing Compound, MIL-S-81733 Type I-1/2

d. Brush sealing compound to corners of structure being bonded.

NOTE

When inserting honeycomb over fasteners or around fittings, honeycomb may be crushed locally as applicable.

- e. Position honeycomb in structure. Apply hand pressure to honeycomb to assure proper contact with sealing compound.
 - f. Remove excess sealing compound from fittings.
- g. Apply anti-chafe tape to honeycomb (WP039 00).

4. **FOAM**.

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
 - b. Apply anti-chafe tape per WP039 00.
- c. Fasteners protruding 0.125 inch require foam filler and anti-chafe tape. Refer to WP039 00.









Isopropyl Alcohol, TT-I-735

- d. Clean surface to be bonded with cheesecloth moistened with isopropyl alcohol. Wipe with clean, dry cheesecloth before alcohol evaporates.
- e. Repeat above step until no visible contamination remains.

- f. Surface of foam to be bonded must be roughened to expose foam cells.
- g. Position foam in place. Apply hand pressure to allow forming around structure and fasteners. Trim as required.









Adhesive, EC-847

10

- h. Apply adhesive to either foam or structure so that foam will be held at edges. Undercut edges or surfaces over protruding fasteners do not have to be bonded. Complete coverage of adhesive is required only on foam that is suspended. Additional adhesive may be used sparing on larger blocks.
- i. Allow adhesive to dry until tacky (5 to 10 minutes). Position foam in place apply hand pressure to assure proper seating and remove trapped air.
 - j. Remove excess adhesive from fittings.
- k. Allow bonded foam to air cure a minimum of 2 to 4 hours before fuel cell installation.

5. ILLUSTRATED PARTS BREAKDOWN.

6. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

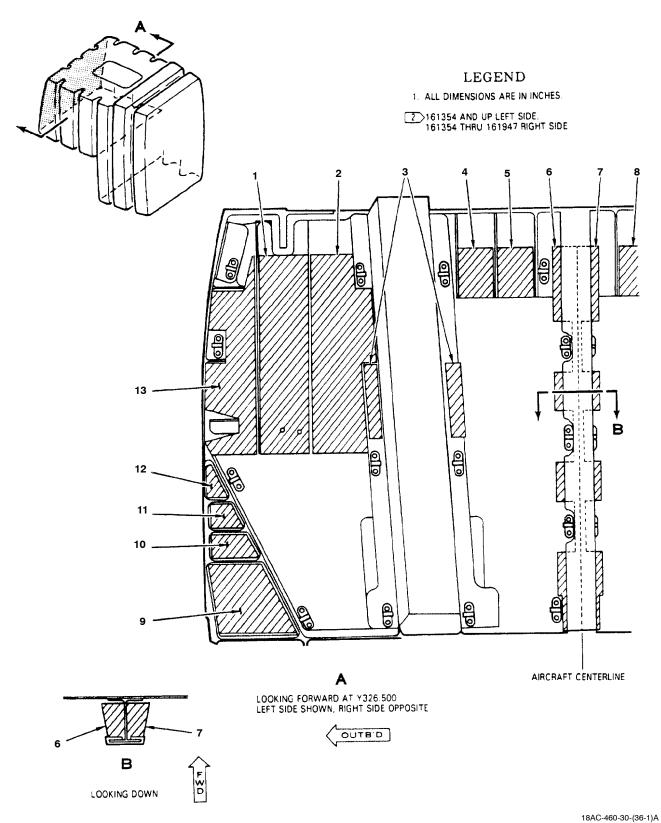


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 1)

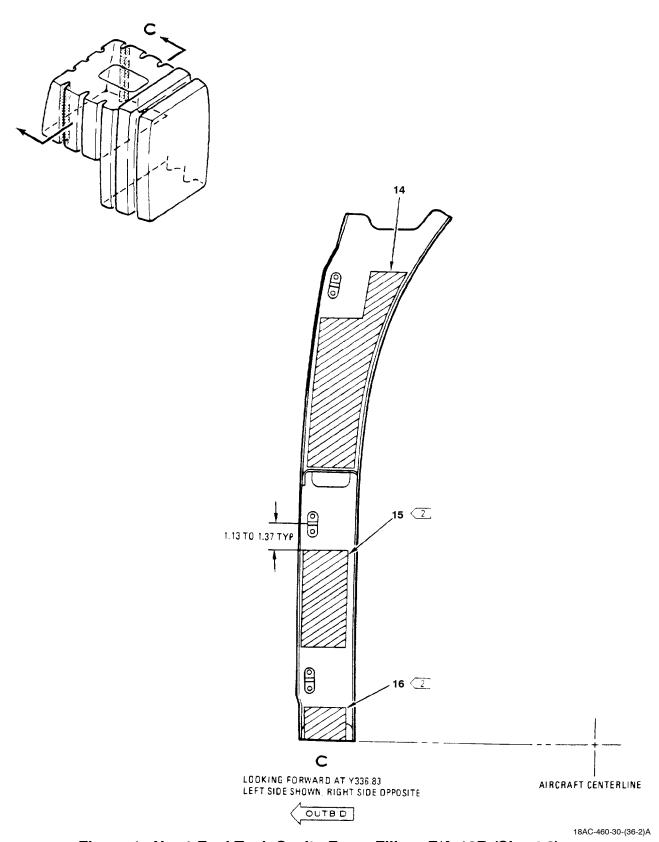


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 2)

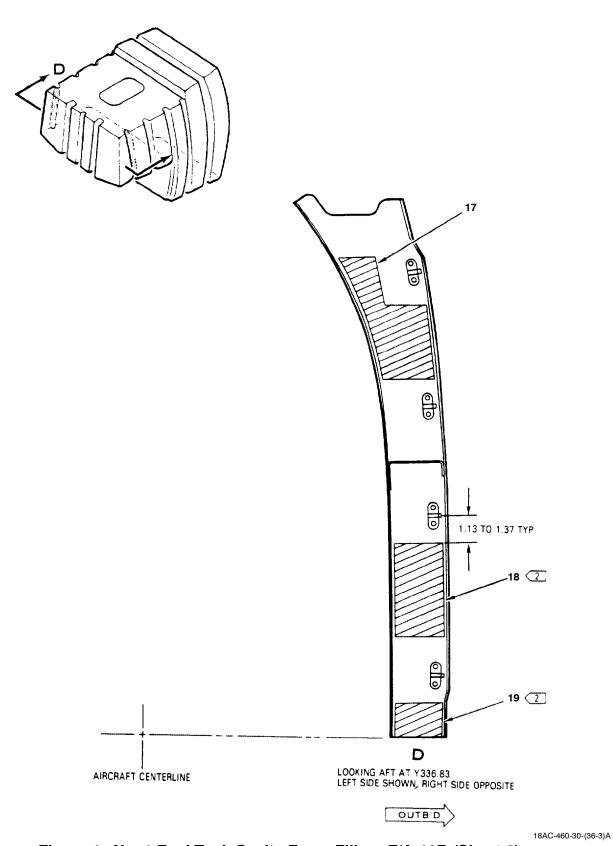


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 3)

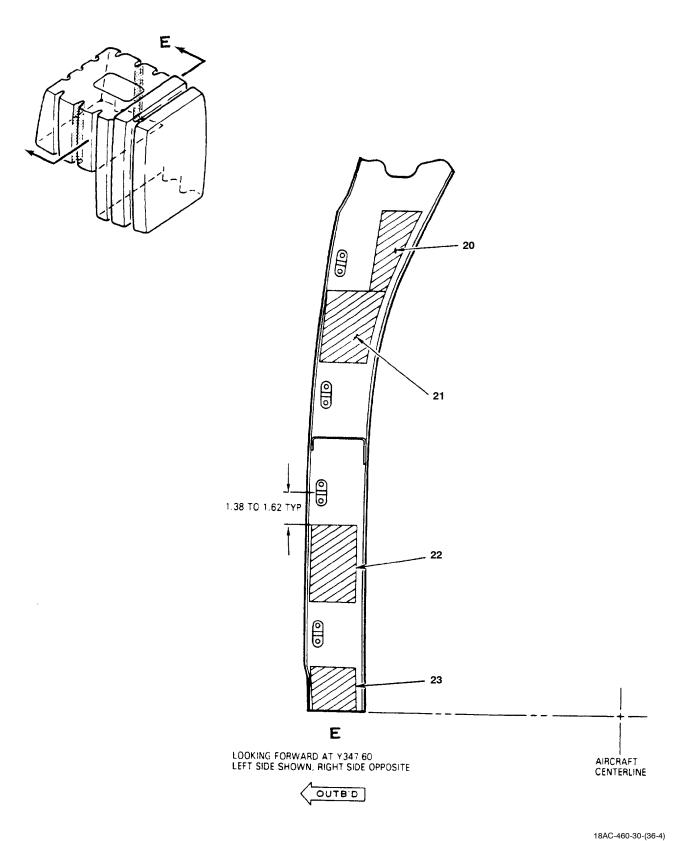


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 4)

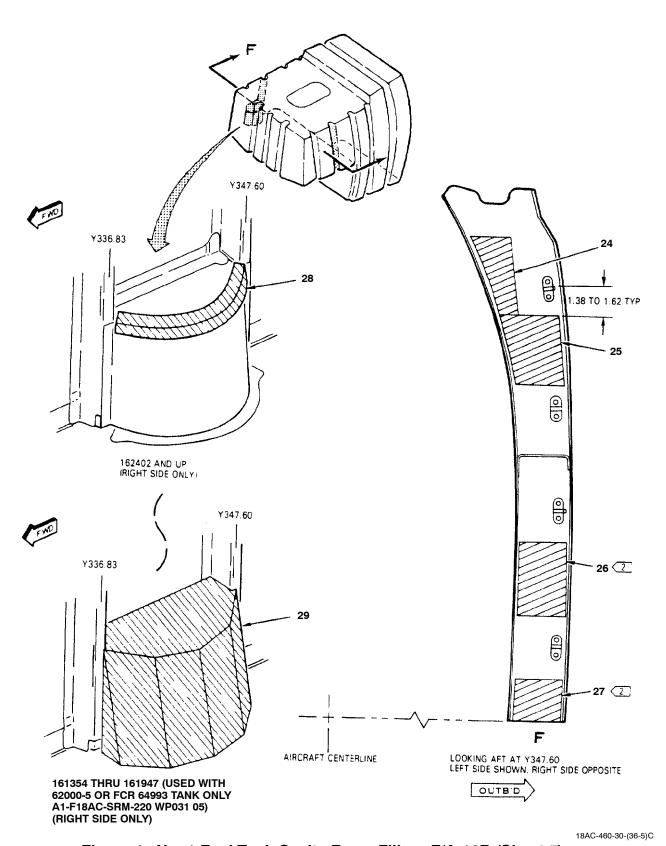
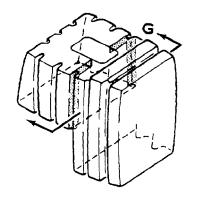


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 5)



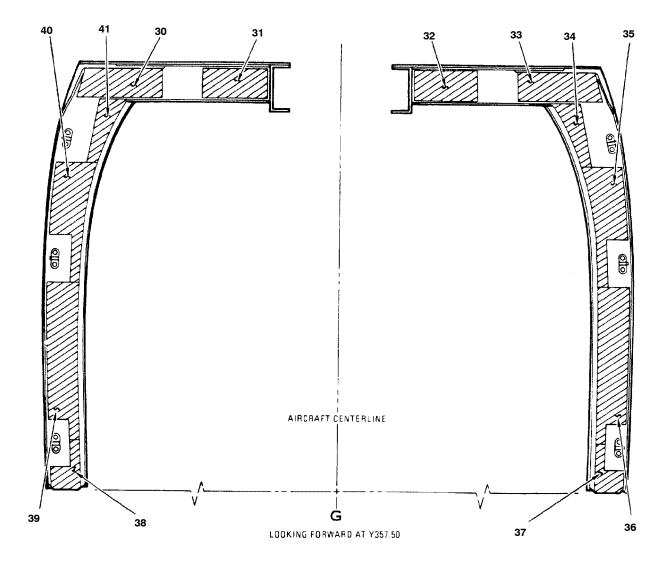


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 6)

18AC-460-30-(36-6)

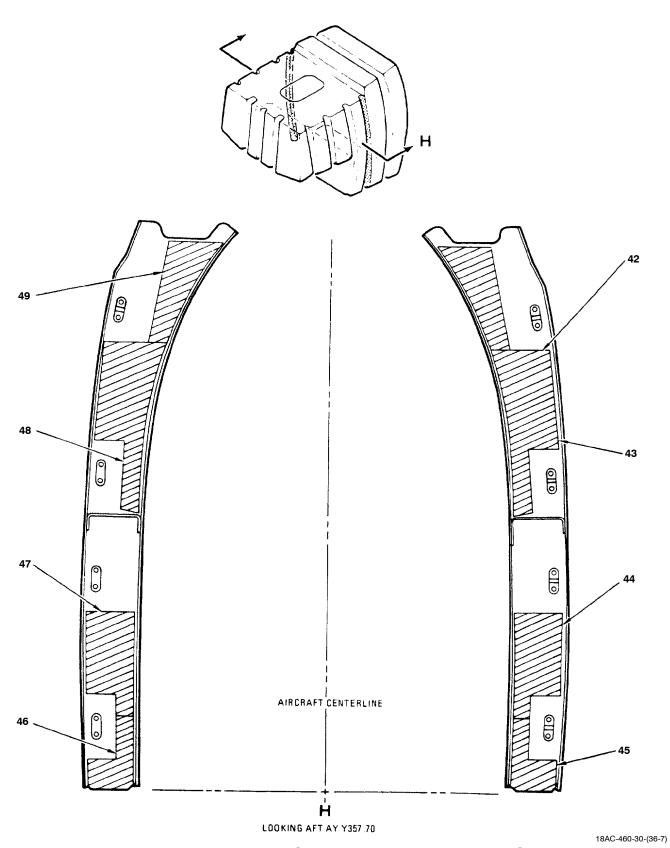


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 7)

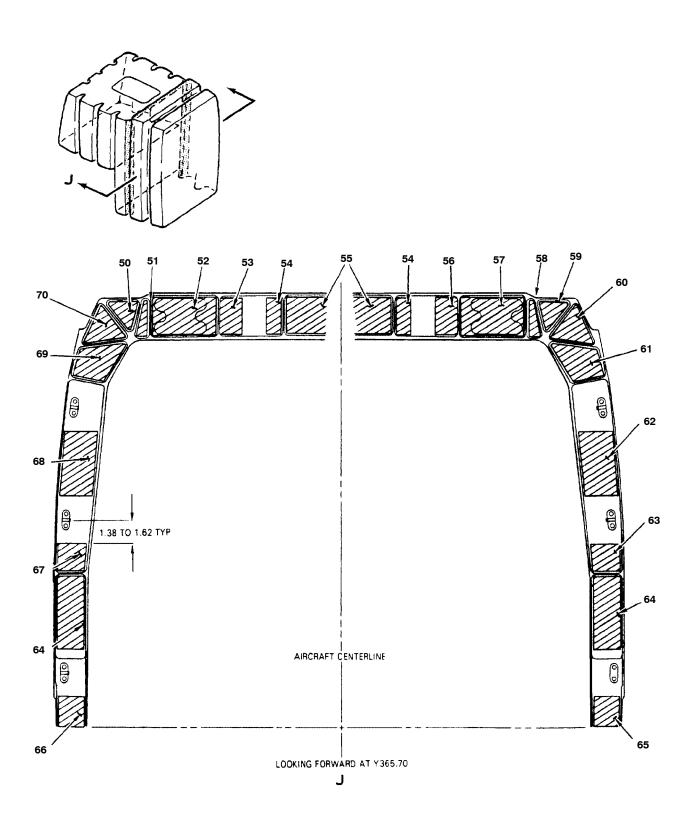


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 8)

18AC-460-30-(36-8)A

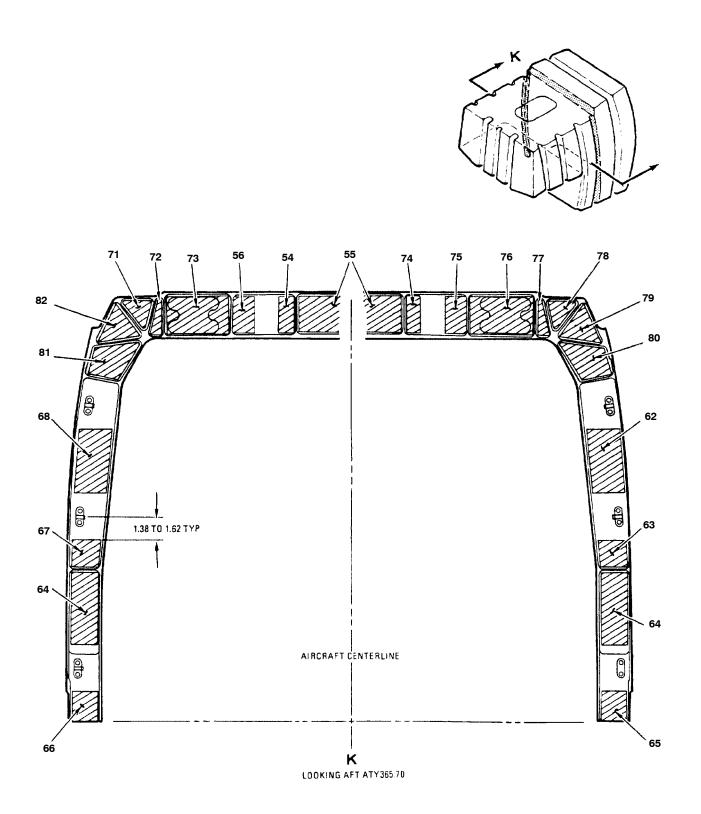
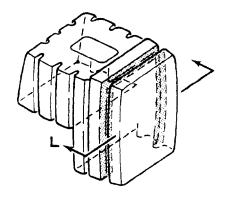


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 9)

18AC-460-30-(36-9)



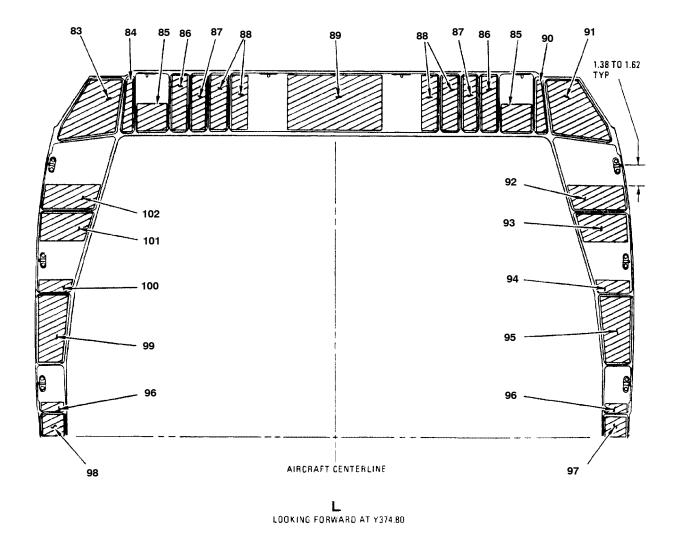


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 10)

18AC-460-30-(36-10)

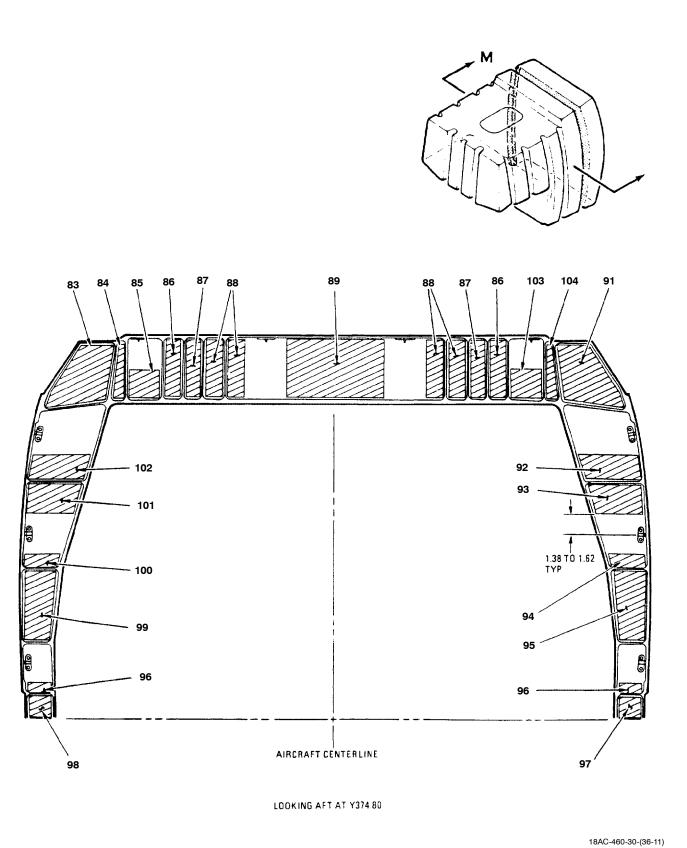


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 11)

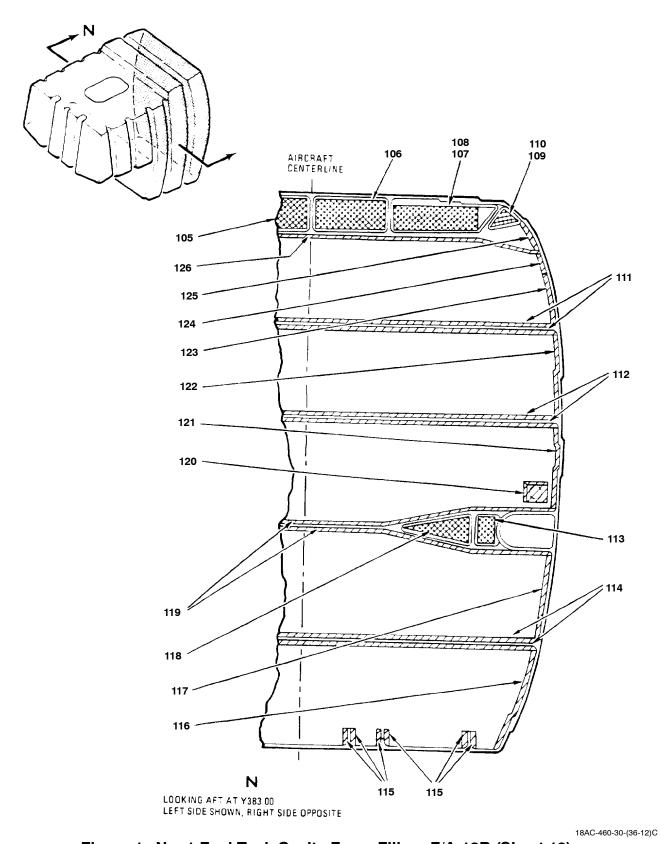


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 12)

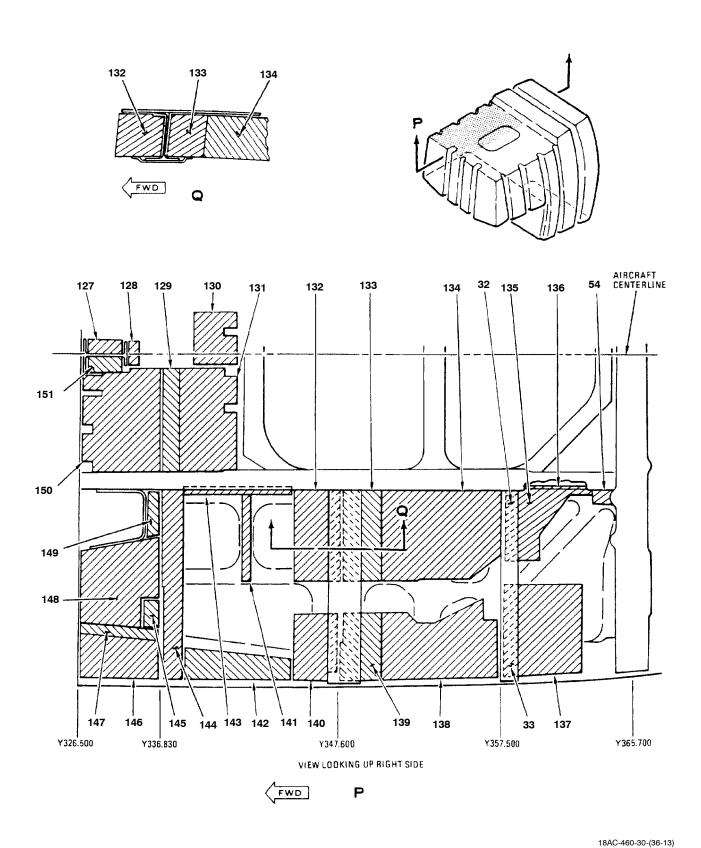
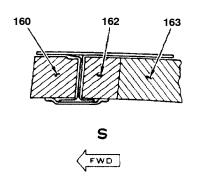
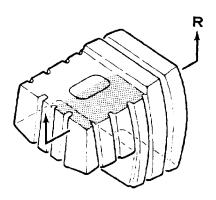
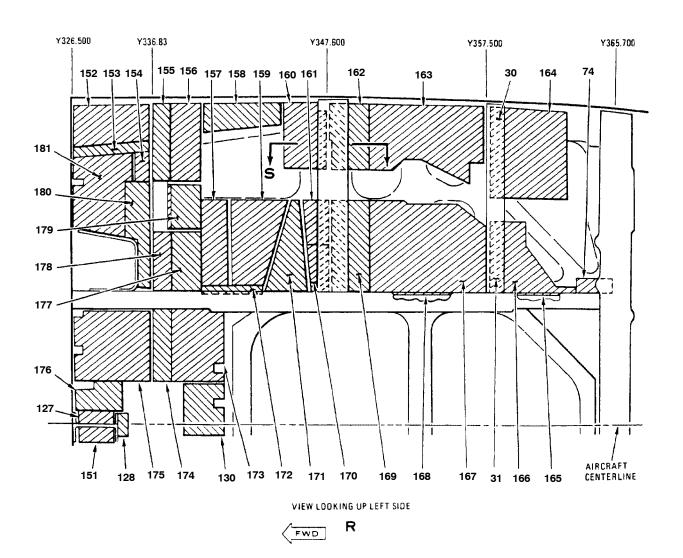


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 13)







18AC-460-30-(36-14)

Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 14)

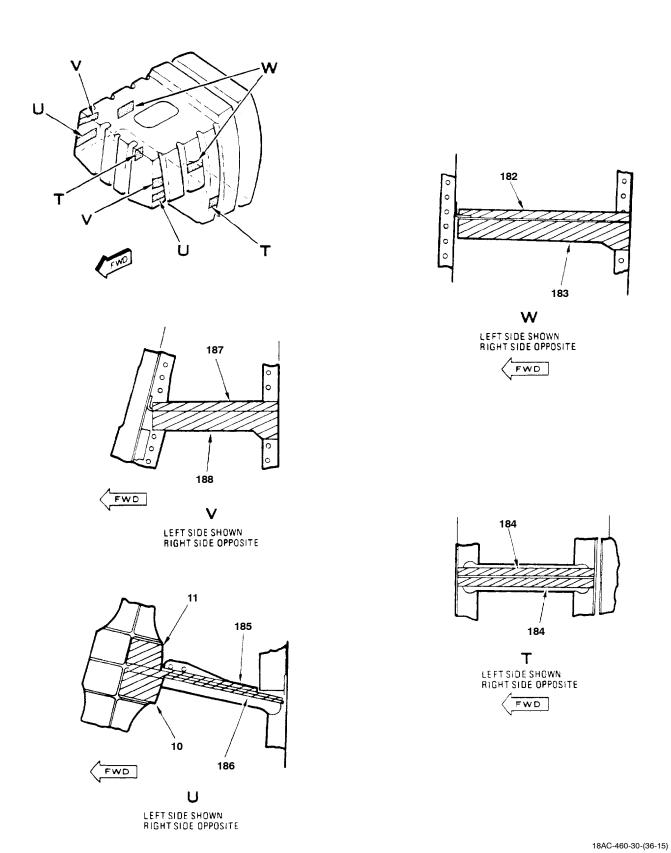
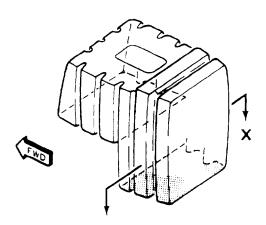


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 15)



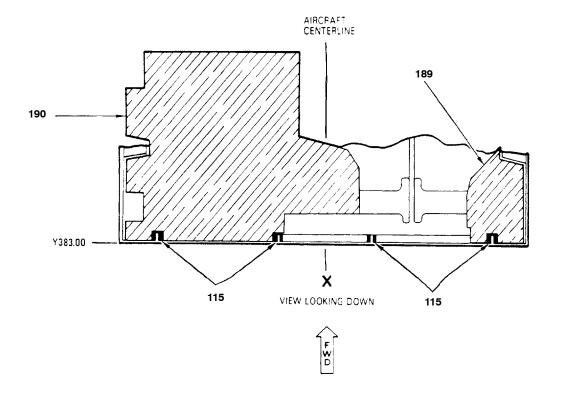


Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 16)

18AC-460-30-(36-16)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1.207001	7001	JUDE	
		NO. 1 FUEL TANK CAVITY FOAM FILLER - F/A-18B			
1	74A314857-2219 +	BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314857-2299 +	BLOCK (FOAM) (76301)	1		MGOZZ
2	74A314857-2221 +	BLOCK (FOAM) (76301)	1		MGOZZ
	74A314857-2222 +	BLOCK (FOAM) (76301)(RIGHT SIDE)	1		MGOZZ
3	74A314857-2309 +	. BLOCK (FOAM) (76301)	4		MGOZZ
4	74A314857-2223 +	. BLOCK (FOAM) (76301)	2		MGOZZ
5	74A314857-2225 +	. BLOCK (FOAM) (76301)	1		MGOZZ
6	74A314857-2017 +	. BLOCK (FOAM) (76301)	1		MGOZZ
7	74A314857-2018 +	. BLOCK (FOAM) (76301)	1		MGOZZ
8	74A314857-2225 +	. BLOCK (FOAM) (76301)	1		MGOZZ
9	74A314857-2001 +	BLOCK (FOAM) (76301)	1		MGOZZ
	74A314857-2002 +	BLOCK (FOAM) (76301)(RIGHT SIDE)	1		MGOZZ
10	74A314857-2003 +	BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314857-2004 +	BLOCK (FOAM) (76301)	1		MGOZZ
11	74A314857-2005 +	BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314857-2006 +	BLOCK (FOAM) (76301)	1		MGOZZ
12	74A314857 2007 +	BLOCK (FOAM) (76301)	1		MGOZZ
	74A314857-2008 +	BLOCK (FOAM) (76301)	1		MGOZZ
13	74A314857-2229 +	BLOCK (FOAM) (76301)	2		MGOZZ
14	74A314857-2269 +	BLOCK (FOAM) (76301)	1		MGOZZ
	74A314857-2270 +	BLOCK (FOAM) (76301)	1		MGOZZ
15	74A314857-2025 +	BLOCK (FOAM) (76301)	2		MGOZZ
15	74A314857-2025 +	BLOCK (FOAM) (76301)	1	A	MGOZZ
16	74A314857-2029 +	BLOCK (FOAM) (76301)	1	Δ	MGOZZ
17	74A314857 2030 +	BLOCK (FOAM) (76301)	1	A	MGOZZ
17	74A314857-2271 + 74A314857-2272 +	BLOCK (FOAM) (76301)	1		MGOZZ MGOZZ
18	74A314857-2027 +	(RIGHT SIDE) BLOCK (FOAM) (76301)	2		MGOZZ MGOZZ
10	74A314857-2027 +	(LEFT SIDE) BLOCK (FOAM) (76301)	1	A	MGOZZ
	/ 11 12 1703 / - 202 / T	(RIGHT SIDE)	1	А	MOOLL

Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 17)

	1			1		, ,
INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	1					<u>. </u>
19	74A314857-2031 +		BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314857-2032 +		BLOCK (FOAM) (76301)(RIGHT SIDE)	1	A	MGOZZ
20	74A314857-2231 +		BLOCK (FOAM) (76301) (LEFT SIDE)	1		MGOZZ
	74A314857-2232 +		BLOCK (FOAM) (76301) (RIGHT SIDE)	1		MGOZZ
21	74A314857-2053 +		BLOCK (FOAM) (76301)	1		MGOZZ
	74A314857-2054 +		BLOCK (FOAM) (76301)(RIGHT SIDE)	1		MGOZZ
22	74A314857-2057 +		BLOCK (FOAM) (76301)	2		MGOZZ
23	74A314857-2061 +		BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314857-2062 +		BLOCK (FOAM) (76301) (RIGHT SIDE)	1		MGOZZ
24	74A314857 2233 +		BLOCK (FOAM) (76301) (LEFT SIDE)	1		MGOZZ
	74A314857-2234 +		BLOCK (FOAM) (76301) (RIGHT SIDE)	1		MGOZZ
25	74A314857-2055 +		BLOCK (FOAM) (76301) (LEFT SIDE)	1		MGOZZ
	74A314857-2056 +		BLOCK (FOAM) (76301) (RIGHT SIDE)	1		MGOZZ
26	74A314857-2059 +		BLOCK (FOAM) (76301)	2	Α	MGOZZ
27	74A314857-2063 +		BLOCK (FOAM) (76301) (LEFT SIDE)	1		MGOZZ
	74A314857-2064 +		BLOCK (FOAM) (76301) (RIGHT SIDE)	1	Α	MGOZZ
28	74A314857-2311 +		BLOCK (FOAM) (76301)	1	В	MGOZZ
29	74A582075-2003 @+		BLOCK (FOAM) (76301)	1		MGOZZ
30	74A314857-2237 +		BLOCK (FOAM) (76301)	1		MGOZZ
31	74A314857-2175 +		BLOCK (FOAM) (76301)	1		MGOZZ
32	74A314857-2176 +		BLOCK (FOAM) (76301)	1		MGOZZ
33	74A314857-2238 +		BLOCK (FOAM) (76301)	1		MGOZZ
34	74A314857-2228 +		BLOCK (FOAM) (76301)	1		MGOZZ
35	74A314857-2071 +		BLOCK (FOAM) (76301)	1		MGOZZ
36	74A314857-2069 +		BLOCK (FOAM) (76301)	1		MGOZZ
37	74A314857-2048 +		BLOCK (FOAM) (76301)	1		MGOZZ
38	74A314857-2047 +		BLOCK (FOAM) (76301)	1		MGOZZ
39	74A314857-2043 +		BLOCK (FOAM) (76301)	1		MGOZZ
40	74A314857-2037 +		BLOCK (FOAM) (76301)	1		MGOZZ
41	74A314857-2227 +		BLOCK (FOAM) (76301)	1		MGOZZ
42	74A314857-2235 +		BLOCK (FOAM) (76301)	1		MGOZZ
43	74A314857-2039 +		BLOCK (FOAM) (76301)	1		MGOZZ
44	74A314857-2041 +		BLOCK (FOAM) (76301)	1		MGOZZ
45	74A314857-2045 +		BLOCK (FOAM) (76301)	1		MGOZZ
46	74A314857-2046 +		BLOCK (FOAM) (76301)	1		MGOZZ
47	74A314857-2067 +		BLOCK (FOAM) (76301)	1		MGOZZ
48	74A314857-2073 +		BLOCK (FOAM) (76301)	1		MGOZZ
49	74A314857-2236 +		BLOCK (FOAM) (76301)	1		MGOZZ
50	74A314857-2289 +		BLOCK (FOAM) (76301)	1		MGOZZ
51	74A314857-2279 +		BLOCK (FOAM) (76301)	1		MGOZZ
52	74A314857-2115 +		BLOCK (FOAM) (76301)	1		MGOZZ
53	74A314857-2293 +		BLOCK (FOAM) (76301)	1		MGOZZ
54	74A314857-2277 +	•	BLOCK (FOAM) (76301)	3		MGOZZ
55	74A314857-2281 +	•	BLOCK (FOAM) (76301)	2		MGOZZ
56	74A314857-2295 +	•	BLOCK (FOAM) (76301)	2		MGOZZ
57	74A314857 2118 +		BLOCK (FOAM) (76301)	1		MGOZZ

Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 18)

	T .				
INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER	USE ON	SM&R CODE
		1 2 3 4 5 6 7	ASSY	CODE	
50	744214957 2209 .	DLOCK (FOAM) (76201)	1		MGOZZ
58 59	74A314857 2298 + 74A314857-2290 +	BLOCK (FOAM) (76301)	1		MGOZZ
		BLOCK (FOAM) (76301)			
60	74A314857-2286 +		1 1		MGOZZ
61 62	74A314857-2108 +	BLOCK (FOAM) (76301)	2		MGOZZ
62 62	74A314857-2106 +	BLOCK (FOAM) (76301)	2		MGOZZ MGOZZ
63	74A314857 2104 +	BLOCK (FOAM) (76301)	4		
64 65	74A314857-2101 +	BLOCK (FOAM) (76301)	2		MGOZZ
65	74A314857-2100 +				MGOZZ
66	74A314857-2099 +	BLOCK (FOAM) (76301)	2		MGOZZ
67	74A314857-2103 +	BLOCK (FOAM) (76301)	2		MGOZZ
68	74A314857-2105 +	BLOCK (FOAM) (76301)	2		MGOZZ
69 70	74A314857-2107 +	BLOCK (FOAM) (76301)	1		MGOZZ
70	74A314857-2285 +	BLOCK (FOAM) (76301)	1		MGOZZ
71	74A314857 2292 +	BLOCK (FOAM) (76301)	1		MGOZZ
72	74A314857-2297 +	BLOCK (FOAM) (76301)	1		MGOZZ
73	74A314857-2117 +	BLOCK (FOAM) (76301)	1		MGOZZ
74	74A314857 2185 +	BLOCK (FOAM) (76301)	1		MGOZZ
75	74A314857-2275 +	BLOCK (FOAM) (76301)	1		MGOZZ
76 	74A314857-2273 +	BLOCK (FOAM) (76301)	1		MGOZZ
77	74A314857-2283 +	. BLOCK (FOAM) (76301)	1		MGOZZ
78	74A314857-2291 +	BLOCK (FOAM) (76301)	1		MGOZZ
79	74A314857-2288 +	. BLOCK (FOAM) (76301)	1		MGOZZ
80	74A314857-2143 +	. BLOCK (FOAM) (76301)	1		MGOZZ
81	74A314857-2144 +	BLOCK (FOAM) (76301)	1		MGOZZ
82	74A314857-2287 +	. BLOCK (FOAM) (76301)	1		MGOZZ
83	74A314857-2087 +	. BLOCK (FOAM) (76301)	2		MGOZZ
84	74A314857-2089 +	. BLOCK (FOAM) (76301)	2		MGOZZ
85	74A314857-2091 +	. BLOCK (FOAM) (76301)	3		MGOZZ
86	74A314857-2093 +	. BLOCK (FOAM) (76301)	4		MGOZZ
87	74A314857-2133 +	. BLOCK (FOAM) (76301)	4		MGOZZ
88	74A314857-2095 +	. BLOCK (FOAM) (76301)	8		MGOZZ
89	74A314857-2097 +	. BLOCK (FOAM) (76301)	2		MGOZZ
90	74A314857-2090 +	. BLOCK (FOAM) (76301)	1		MGOZZ
91	74A314857-2088 +	. BLOCK (FOAM) (76301)	2		MGOZZ
92	74A314857-2086 +	. BLOCK (FOAM) (76301)	2		MGOZZ
93	74A314857-2084 +	. BLOCK (FOAM) (76301)	2		MGOZZ
94	74A314857-2082 +	. BLOCK (FOAM) (76301)	2		MGOZZ
95	74A314857-2080 +	. BLOCK (FOAM) (76301)	2		MGOZZ
96	74A314857-2077 +	. BLOCK (FOAM) (76301)	4		MGOZZ
97	74A314857-2076 +	. BLOCK (FOAM) (76301)	2		MGOZZ
98	74A314857-2075 +	. BLOCK (FOAM) (76301)	2		MGOZZ
99	74A314857-2079 +	. BLOCK (FOAM) (76301)	2		MGOZZ
100	74A314857-2081 +	. BLOCK (FOAM) (76301)	2		MGOZZ
101	74A314857-2083 +	. BLOCK (FOAM) (76301)	2		MGOZZ
102	74A314857-2085 +	. BLOCK (FOAM) (76301)	2		MGOZZ
103	74A314857-2305 +	. BLOCK (FOAM) (76301)	1		MGOZZ
104	74A314857-2307 +	. BLOCK (FOAM) (76301)	1		MGOZZ
105	74A314670-2089 +	. BLOCK (HONEYCOMB) (76301)	1		MGOZZ

Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 19)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
105		DI GOV GIOVENICO I EN CACON			110077
106	74A314670-2193 +	BLOCK (HONEYCOMB) (76301)	1		MGOZZ
107	74A314670-2099 +	. BLOCK (HONEYCOMB) (76301) (LEFT SIDE)	1		MGOZZ
108	74A314670-2100 +	BLOCK (HONEYCOMB) (76301) (RIGHT SIDE)	1		MGOZZ
109	74A314670-2109 +	BLOCK (HONEYCOMB) (76301) (LEFT SIDE)	1		MGOZZ
110	74A314670-2110 +	BLOCK (HONEYCOMB) (76301) (RIGHT SIDE)	1		MGOZZ
111	74A314670-2243 +	. BLOCK (FOAM) (76301)	2		MGOZZ
112	74A314670-2201 +	BLOCK (FOAM) (76301)	2		MGOZZ
113	74A314670-2105 +	. BLOCK (HONEYCOMB) (76301)	2		MGOZZ
114	74A314670-2247 +	. BLOCK (FOAM) (76301)	2		MGOZZ
115	74A314670-2233 +	. BLOCK (FOAM) (76301)	12		MGOZZ
116	74A314670-2275 +	. BLOCK (FOAM)	2		MGOZZ
117	74A314670-2273 +	. BLOCK (FOAM)	2		MGOZZ
118	74A314670-2107 +	. BLOCK (HONEYCOMB) (76301)	2		MGOZZ
119	74A314670-2249 +	. BLOCK (FOAM) (76301)	2		MGOZZ
120	74A314670-2263 +	. BLOCK (FOAM) (76301)	2		MGOZZ
121	74A314670-2271 +	BLOCK (FOAM) (76301)	2		MGOZZ
122	74A314670-2269 +	BLOCK (FOAM) (76301)	2		MGOZZ
123	74A314670-2267 +	BLOCK (FOAM) (76301)	2		MGOZZ
124	74A314670-2265 +	BLOCK (FOAM) (76301)	1		MGOZZ
125	74A314670-2277 +	BLOCK (FOAM) (LEFT SIDE)	1		MGOZZ
120	74A314670-2278 +	BLOCK (FOAM) (RIGHT SIDE)	1		MGOZZ
126	74A314670-2245 +	BLOCK (FOAM) (76301)	1		MGOZZ
127	74A314857-2239 +	BLOCK (FOAM) (76301)	1		MGOZZ
128	74A314857-2211 +	BLOCK (FOAM) (76301)	1		MGOZZ
129	74A314857-2265 +	BLOCK (FOAM) (76301)	1		MGOZZ
130	74A314857-2255 +	BLOCK (FOAM) (76301)	1		MGOZZ
131	74A314857-2259 +	BLOCK (FOAM) (76301)	1		MGOZZ
131	74A314857-2171 +	DLOCK (FOAM) (TCOM)	1		MGOZZ
132	74A314857-2171 +	BLOCK (FOAM) (76301)	1		MGOZZ
134	74A314857-2152 +	BLOCK (FOAM) (76301)	1		MGOZZ
135	74A314857-2166 +	BLOCK (FOAM) (76301)	1		MGOZZ
136	74A314857 2267 +	BLOCK (FOAM) (76301)	1		MGOZZ
137	74A314857-2170 +	BLOCK (FOAM) (76301)	1 1		MGOZZ MGOZZ
138	74A314857-2162 +	BLOCK (FOAM) (76301)			
139	74A314857 2184 +	BLOCK (FOAM) (76301)	1		MGOZZ
140	74A314857 2188 +	BLOCK (FOAM) (76301)	1		MGOZZ
141	74A314857-2189 +	BLOCK (FOAM) (76301)	1		MGOZZ
142	74A314857-2153 +	BLOCK (FOAM) (76301)	1		MGOZZ
143	74A314857 2163 +	BLOCK (FOAM) (76301)	1		MGOZZ
144	74A314857-2249 +	BLOCK (FOAM) (76301)	1		MGOZZ
145	74A314857-2215 +	BLOCK (FOAM) (76301)	1		MGOZZ
146	74A314857-2253 +	BLOCK (FOAM) (76301)	1		MGOZZ
147	74A314857-2213 +	BLOCK (FOAM) (76301)	1		MGOZZ
148	74A314857-2203 +	BLOCK (FOAM) (76301)	1		MGOZZ
149	74A314857-2251 +	BLOCK (FOAM) (76301)	1		MGOZZ
150	74A314857 2209 +	. BLOCK (FOAM) (76301)	1		MGOZZ

Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 20)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
151	74A314857-2240 +	. BLOCK (FOAM) (76301)	1		MGOZZ
152	74A314857-2201 +	. BLOCK (FOAM) (76301)	1		MGOZZ
153	74A314857-2197 +	. BLOCK (FOAM) (76301)	1		MGOZZ
154	74A314857-2195 +	. BLOCK (FOAM) (76301)	1		MGOZZ
155	74A314857-2243 +	. BLOCK (FOAM) (76301)	1		MGOZZ
156	74A314857-2241 +	. BLOCK (FOAM) (76301)	1		MGOZZ
157	74A314857-2193 +	. BLOCK (FOAM) (76301)	1		MGOZZ
158	74A314857-2155 +	. BLOCK (FOAM) (76301)	1		MGOZZ
159	74A314857-2191 +	. BLOCK (FOAM) (76301)	1		MGOZZ
160	74A314857-2187 +	BLOCK (FOAM) (76301)	1		MGOZZ
161	74A314857-2159 +	BLOCK (FOAM) (76301)	1		MGOZZ
162	74A314857-2183 +	BLOCK (FOAM) (76301)	1		MGOZZ
163	74A314857-2161 +	BLOCK (FOAM) (76301)	1		MGOZZ
164	74A314857-2169 +	BLOCK (FOAM) (76301)	1		MGOZZ
165	74A314857-2181 +	BLOCK (FOAM) (76301)	1		MGOZZ
166	74A314857-2165 +	BLOCK (FOAM) (76301)	1		MGOZZ
167	74A314857-2151 +	BLOCK (FOAM) (76301)	1		MGOZZ
168	74A314857-2179 +	BLOCK (FOAM) (76301)	1		MGOZZ
169	74A314857-2173 +	BLOCK (FOAM) (76301)	1		MGOZZ
170	74A314857-2157 +	BLOCK (FOAM) (76301)	1		MGOZZ
170	74A314857-2167 +	BLOCK (FOAM) (76301)	1		MGOZZ
172	74A314857-2177 +	BLOCK (FOAM) (76301)	1		MGOZZ
173	74A314857-2257 +	BLOCK (FOAM) (76301)	1		MGOZZ
173	74A314857 2263 +	BLOCK (FOAM) (76301)	1		MGOZZ
175	74A314857-2217 +	BLOCK (FOAM) (76301)	1		MGOZZ
175	74A314857-2207 +	BLOCK (FOAM) (76301)	1		MGOZZ
170	74A314857-2245 +	BLOCK (FOAM) (76301)	1		MGOZZ
178	74A314857-2261 +	BLOCK (FOAM) (76301)	1		MGOZZ
178	74A314857-2247 +	BLOCK (FOAM) (76301)	1		MGOZZ
180	74A314857-2199 +	BLOCK (FOAM) (76301)	1		MGOZZ
181	74A314857-2205 +	BLOCK (FOAM) (76301)	1		MGOZZ
			1		
182	74A314857-2139 +	BLOCK (FOAM) (76301) (LEFT SIDE)			MGOZZ
	74A314857-2140 +	BLOCK (FOAM) (76301)(RIGHT SIDE)	1		MGOZZ
183	74A314857-2141 +	. BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314857-2142 +	BLOCK (FOAM) (76301)(RIGHT SIDE)	1		MGOZZ
184	74A314670-2237 +	. BLOCK (FOAM) (76301)	4		MGOZZ
185	74A314857-2303 +	. BLOCK (FOAM) (76301)	2		MGOZZ
186	74A314857-2301 +	. BLOCK (FOAM) (76301)	2		MGOZZ
187	74A314857-2135 +	BLOCK (FOAM) (76301)(LEFT SIDE)	1		MGOZZ
	74A314857-2136 +	BLOCK (FOAM) (76301)	1		MGOZZ

Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 21)

Page 25/(26 blank)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
188	74A314857-2137 +	. BLOCK (FOAM) (76301)	1		MGOZZ
	74A314857-2138 +	BLOCK (FOAM) (76301)(RIGHT SIDE)	1		MGOZZ
189	74A314670-2253 Ø+	. PAD (FOAM) (76301)	1		MGOZZ
190	74A314670-2251 Ø+	. PAD (FOAM) (76301)	1		MGOZZ
		Ø 62000-3 OR FCR-63254 TANK MUST BE INSTALLED WITH 74A314670-2251 PAD AND 74A314670-2253 PAD ON CAVITY FLOOR. SAME PADS MUST BE REMOVED IF 62000-3 TANK IS BEING REPLACED BY 62000-1 TANK.			
		@ THIS BLOCK MUST BE USED IF 62000-5 OR FCR-64993 TANK IS INSTALLED ON 161354 THRU 161947			
		+ REFER TO A1-F18AC-SRM-220, WP031 01, WP031 03, WP031 04 AND WP031 05 FOR FOAM BLOCK DIMENSIONS			
		CODE USABLE ON MODEL A 161354 THRU 161947 F/A-18B			

B 162402 & UP F/A-18B

Figure 1. No. 1 Fuel Tank Cavity Foam Filler - F/A-18B (Sheet 22)

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ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REMOVAL - NO. 2 FUEL TANK (5CAP509)

FUEL STORAGE SYSTEM

Title	WP Number
Removal - No. 2 Fuel Tank - 161353 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53	018 01
Removal - No. 2 Fuel Tank - 161716 AND UP	018 02
Removal - No. 2 Fuel Tank - 161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53	018 03

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REMOVAL - NO. 2 FUEL TANK (5CAP509)

FUEL STORAGE SYSTEM

EFFECTIVITY: 161353 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

Reference Material

Line Maintenance Emergency Procedures	A1-F18AC-LMM-020
Fuel System	A1-F18AC-460-300
Ground Support Equipment	WP009 01
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
IPB - No. 2 Fuel Tank	WP020 00
Repair - No. 2 Fuel Tank Inverted Flight Baffle	WP020 01
No. 2 Fuel Tank Inspection and Folding	WP021 00
No. 2 Fuel Tank Cavity Foam Filler	WP021 01
No. 2 and No. 3 Fuel Tank Backing Boards	WP035 01
Fuel Tank Cavity Thermal Blankets	
Fuel Tank Cavity Repair	WP038 00
Repair - Bulkhead Connector Retainers	WP038 01
Fuel Tank Cavity Preparation	WP039 00
No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports	WP041 00

Alphabetical Index

Subject	Page No.
Cavity Inspection	35
General	2
Materials Required	2
Removal	3
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings With Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-

Support Equipment Required

Part Number or Nomenclature Type Designation 57A43 Electric General Purpose **Explosion Proof Lantern** 74D460019-1001 and Fuel Cell Removal/ 74D60029-1001 Installation Tool Set 74D460102-1001 Fuel Tank Bulkhead Nuts Adapter Set 152016-1 Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set

Materials Required

Specification or Part Number	Nomenclature
474 (CAGE 76381)	Tape Pressure Sensitive
MIL-B-131, Class 1 (CAGE 81349)	Barrier Material (Heavy Paper or Canvas)
MIL-T-43435 TYPE-2 SIZE-3 FINISH-C (CAGE 81349)	Lacing Tape
1. GENERAL.	

NOTE

For complete parts list, see No. 2 Fuel Tank IPB (WP020 01).

For baffle repair, see No. 2 Fuel Tank Inverted Flight Baffle Repair (WP020 04).

- a. Remove parts as an assembly as shown on illustration.
- b. When removing an assembly, secure attaching parts to assembly in cloth bag.

NOTE

Tagging assemblies with index numbers circled on artwork of procedure will aid in installation.

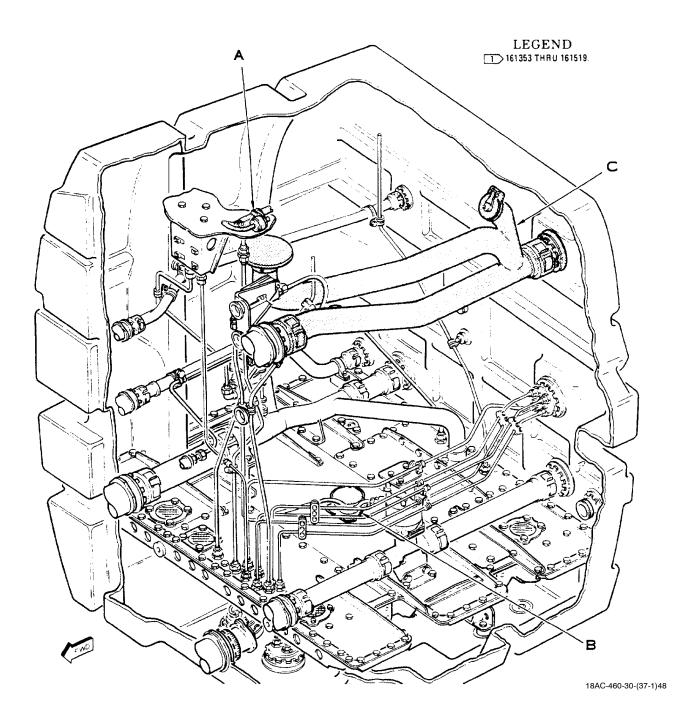
- c. Tag assembly with index number that has been circled on artwork of procedure.
 - d. Keep parts grouped in containers after removal.
- e. Do general preparation for removal (WP013 00).

WARNING

To prevent injury to personnel, trapped fuel remaining in fuel tank components should not be allowed to spill inside fuel tank during removal. Unavoidable fuel spills should be mopped up and removed immediately.

f. Catch any trapped fuel remaining in fuel tank components with an approved safety container, as required, during removal. Mop up and remove any fuel spills inside tank immediately.

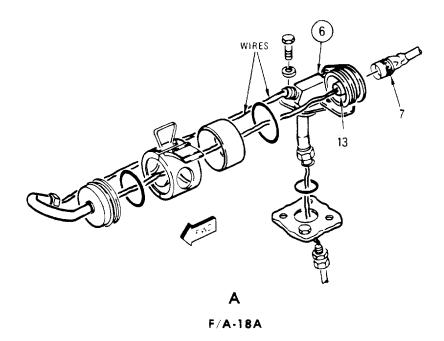
- 2. **REMOVAL**.
- 3. **SEQUENCE 1**.



- a. On F/A-18A, do substeps below:
 - (1) Disconnect connector (7).
 - (2) Remove wires from connector (13).
 - CAUTION

To prevent damage to wires, carefully slide wires through related components.

- (3) Disconnect and remove elbow (6) and attaching parts.
 - (4) Attach 6 feet of lacing tape to wires.



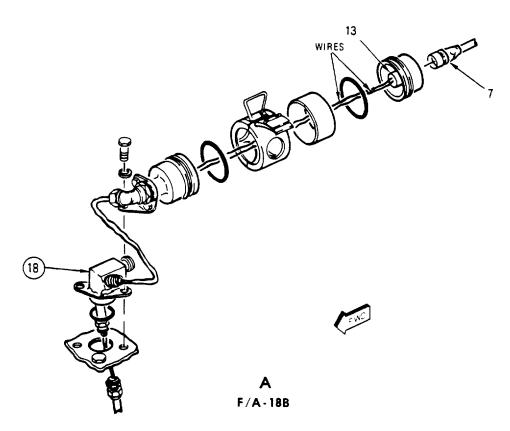
18AC-460-30-(37-2)22

- b. On F/A-18B, do substeps below:
 - (1) Disconnect connector (7).
 - (2) Remove wires from connector (13).



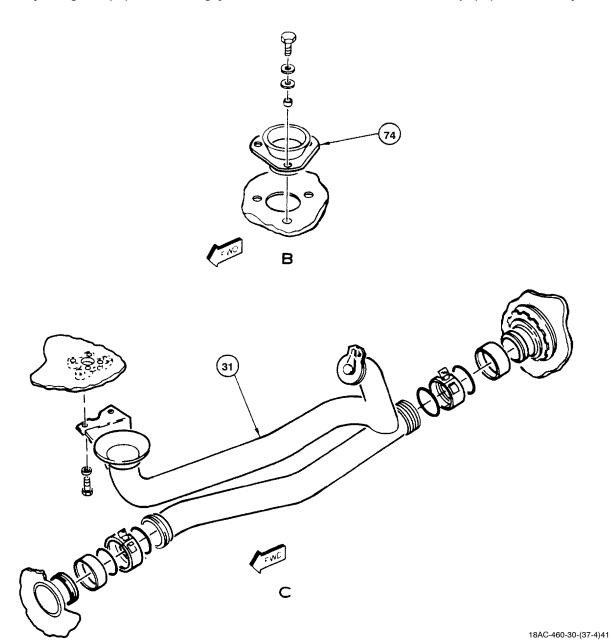
To prevent damage to wires, carefully slide wires through related components.

- (3) Disconnect and remove elbow (18) and attaching parts.
 - (4) Attach 6 feet of lacing tape to wires.

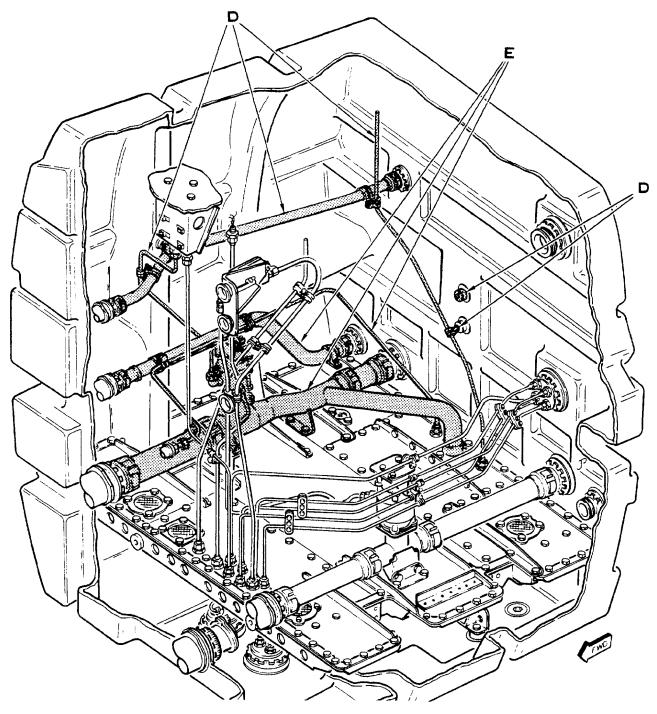


18AC-460-30-(37-3)13 23

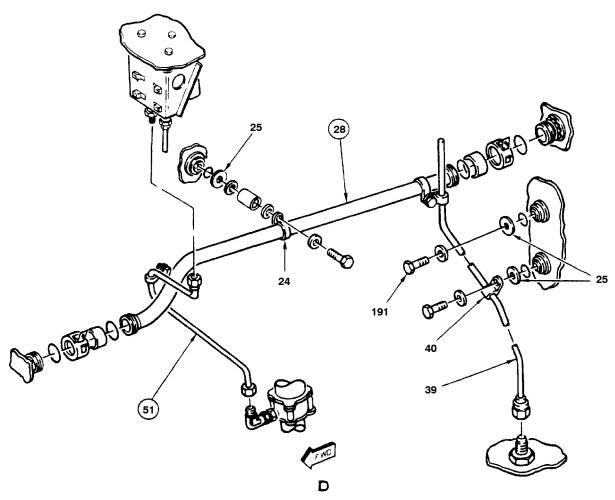
- c. Remove probe guide (74) and attaching parts.
- d. Remove vent assembly (31) and related parts.



4. SEQUENCE 2.

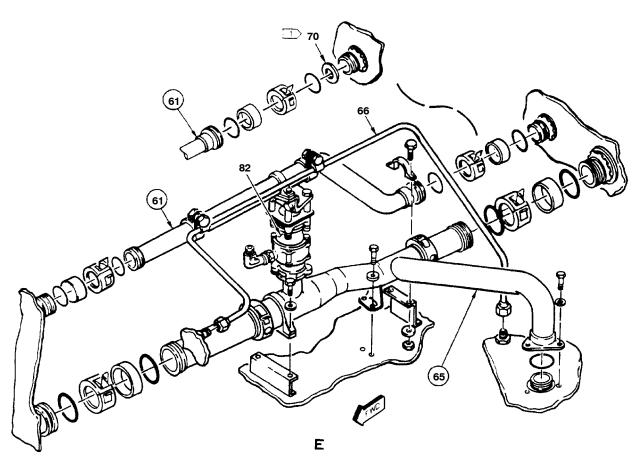


- a. Remove clamps (24 and 40), retainers (25) and related parts.
- b. Remove tubes (28, 39 and 51) and related parts.
- c. Remove bolt (191), retainer (25) and attaching parts.



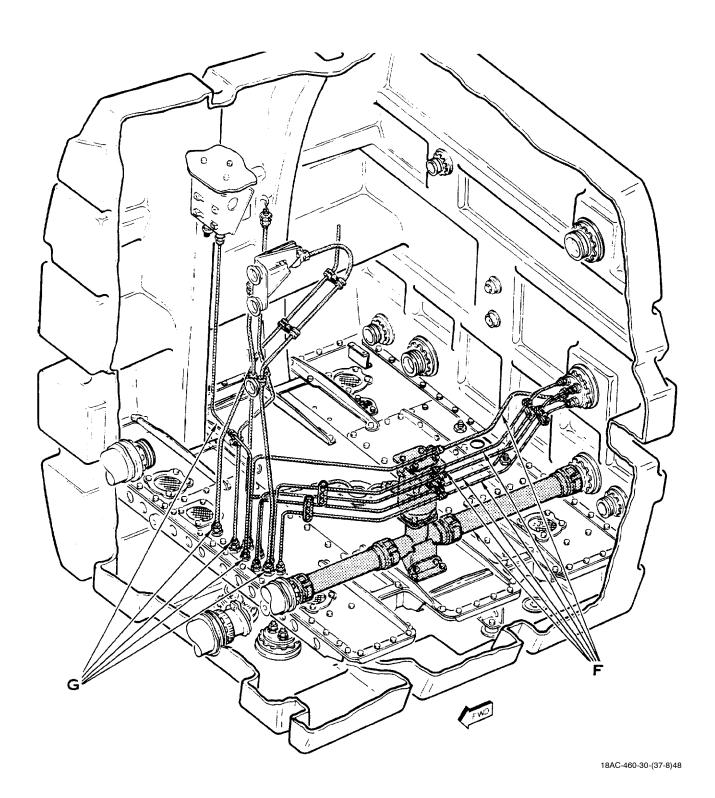
18AC-460-30-(37-6)A 33

d. Disconnect tubes (61 and 66) and manifold (65). Remove restrictor (70), if installed, and remove valve (82) and related parts.

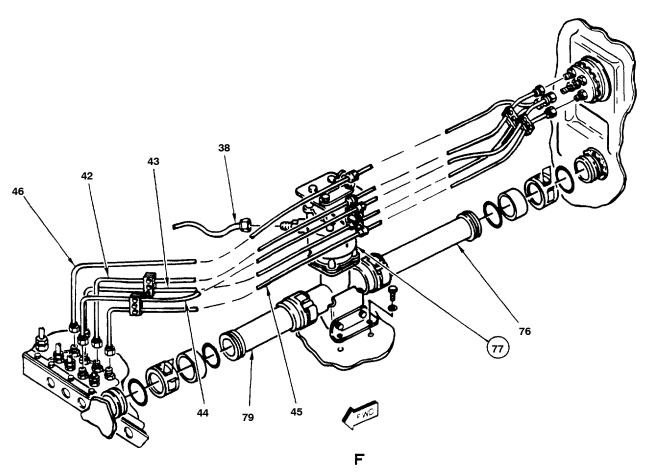


18AC-460-30-(37-7)32

5. **SEQUENCE 3**.

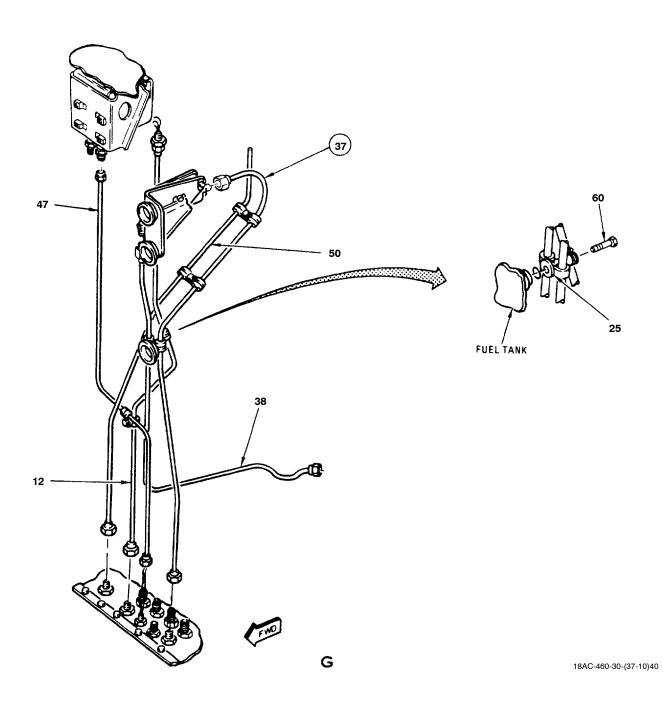


- a. Disconnect tubes (38, 42, 43, 44, 45, 46, 76, and 79).
- b. Remove valve (77) and attaching parts with tube assemblies attached.

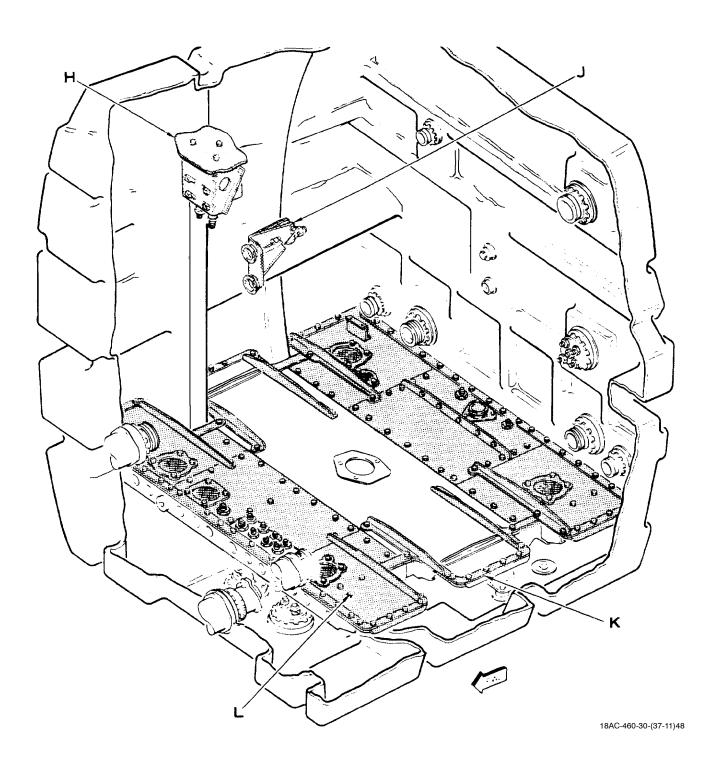


18AC-460-30-(37-9)29

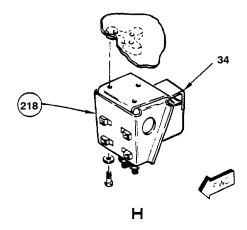
- c. Disconnect tubes (12, 37, 38, 47 and 50).
- d. Back bolt (60) off of fuel tank fitting and leave all related parts installed.
- e. Remove tubes (12, 37, 38, 47, and 50) carefully pull wires through tube (12). Until string and secure to tube (12).
- f. Remove retainer (25).
- g. Attach another 4 feet of lacing tape to wires.

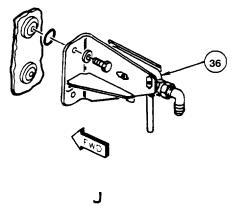


6. SEQUENCE 4.



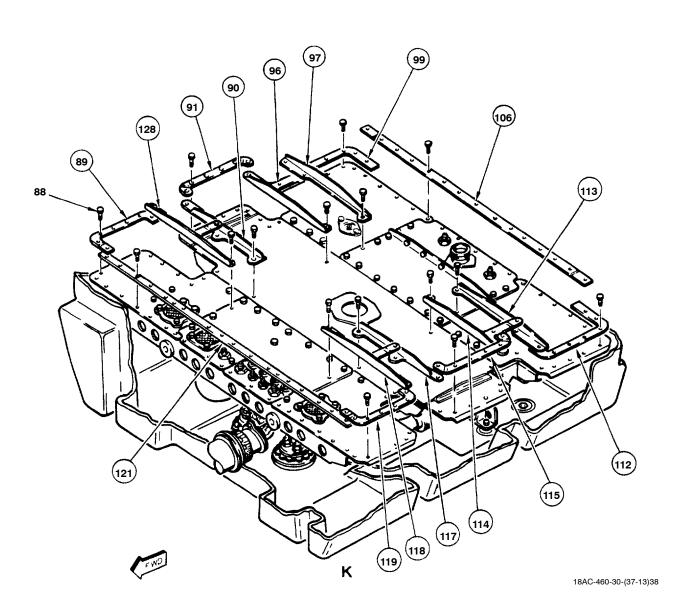
- a. Remove attaching parts to support (218). Remove support (218) and valve (34) as a unit.
- b. Remove sensor (36) and attaching parts.





18AC-460-30-(37-12)17

c. Remove bolts (88), washers and retainers (89, 90, 91, 96, 97, 99, 106, 112, 113, 114, 115, 117, 118, 119, 121, and 128).



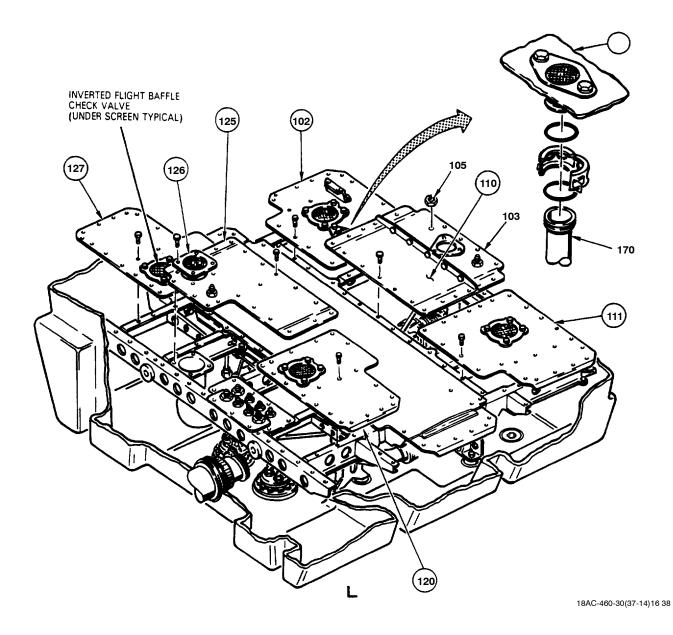
d. Remove screen (126) and nut (105) and attaching parts.

CAUTION

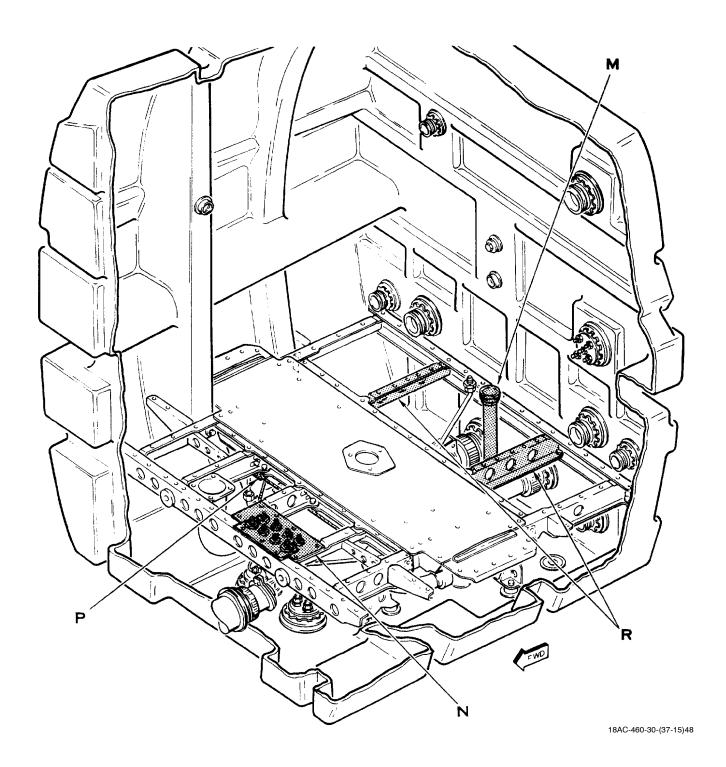
Remove webs carefully to avoid damaging tank and components.

Damage to inverted flight baffle check valves can occur if web is rested on check valves. Use caution when handling or storing webs.

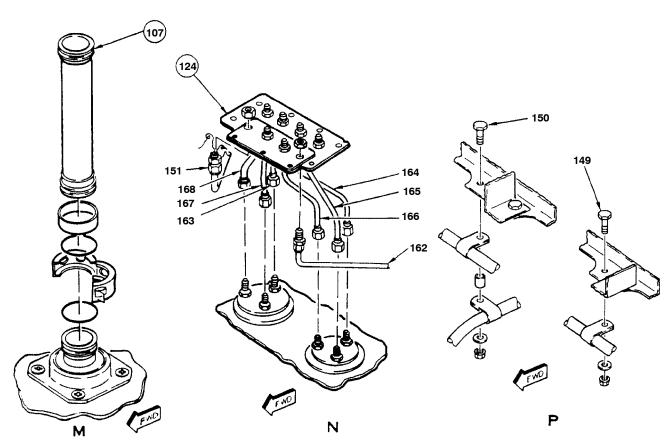
- e. Remove webs (103, 110, 111, 120, 125, and 127).
- f. Remove coupling from tube (170) and remove web (102).



7. **SEQUENCE 5**.

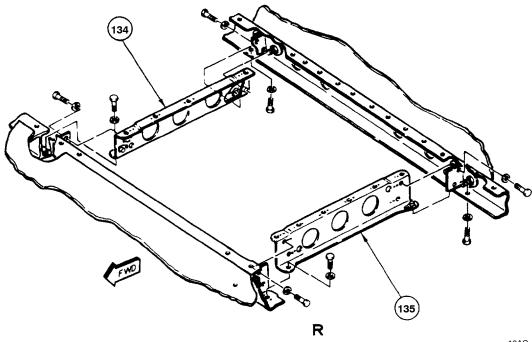


- a. Disconnect tubes (151, 162, 163, 164, 165, 166, 167 and 168).
- b. Remove tubes (163, 164, 165, 166, 167 and 168) with web (124).
- c. Remove bolts (149 and 150) and attaching parts.
 - d. Remove tube (107) and attaching parts.



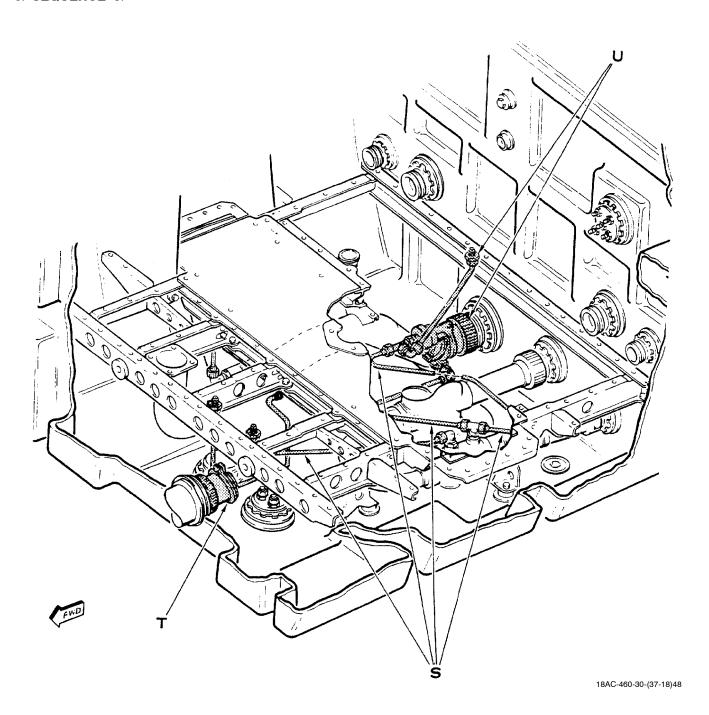
18AC-460-30-(37-16)30

e. Remove supports (134 and 135) and attaching parts.

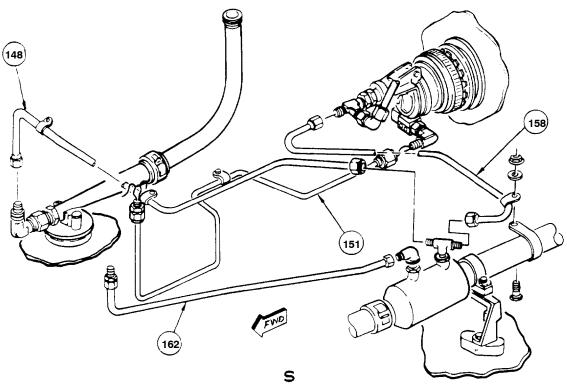


18AC-460-30-(37-17)24

8. SEQUENCE 6.

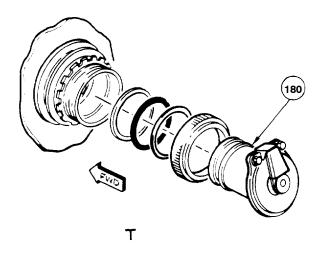


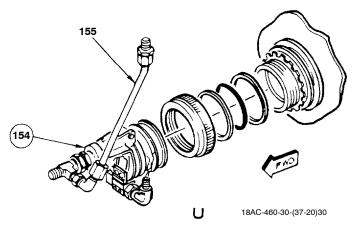
- a. Disconnect and remove tubes (148, 158 and 162) and attaching parts.
- b. Disconnect tube (151) and carefully pull string through tube. Until and secure lacing tape at both ends of tube (151).



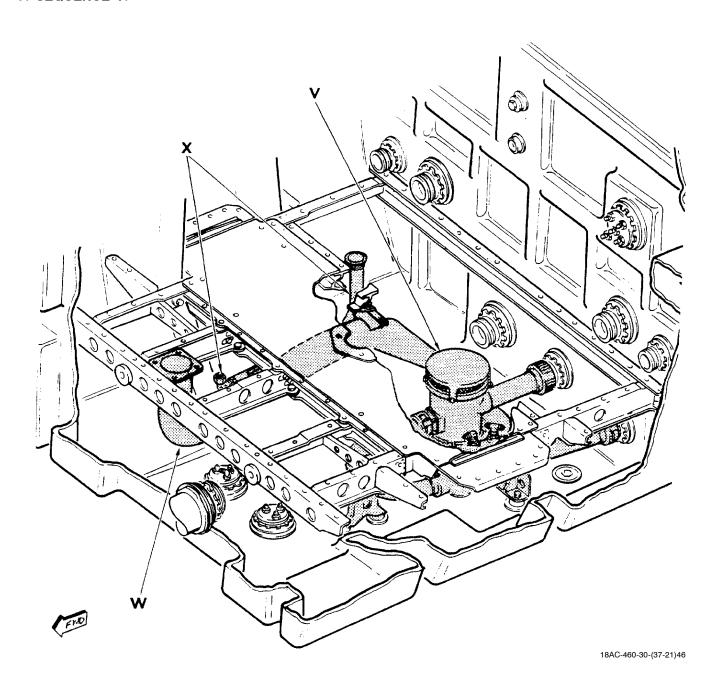
18AC-460-30-(37-19)28

c. Remove valves (154 and 180) and attaching parts.

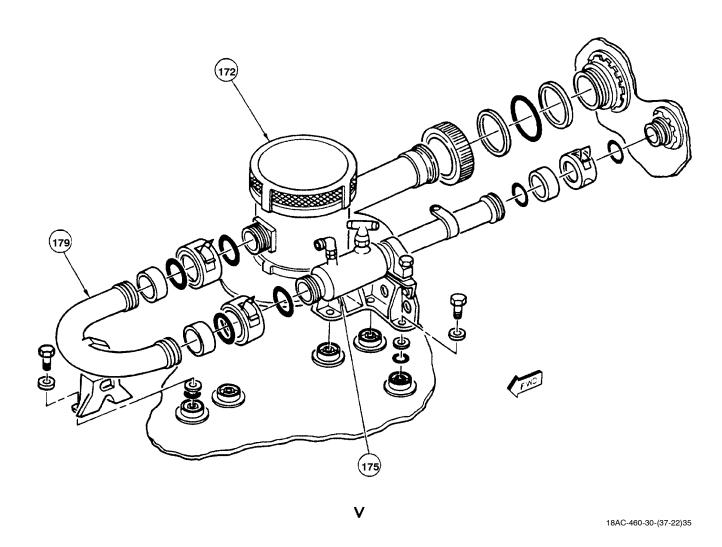




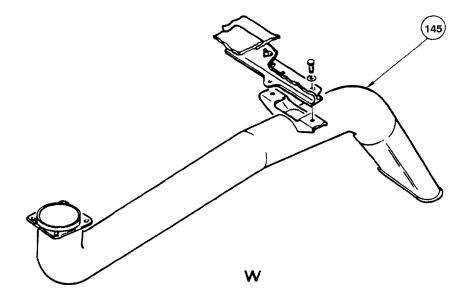
9. **SEQUENCE 7**.

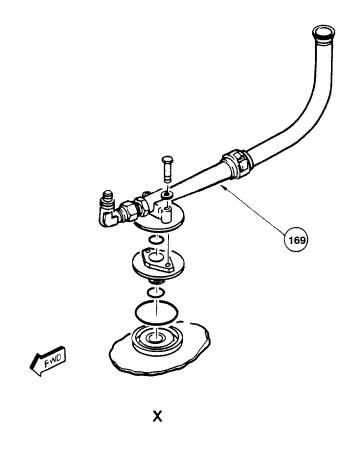


a. Remove ejector (172), wash filter (175), tube (179) and related parts.

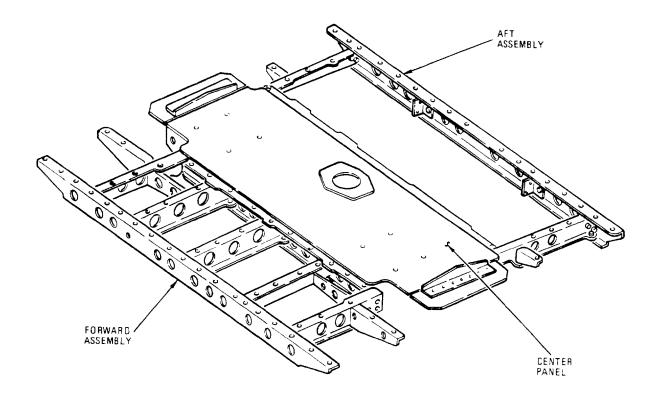


- b. Remove tube (145) and attaching parts.
- c. Remove ejector (169) and related parts.





10. **SEQUENCE 8**.





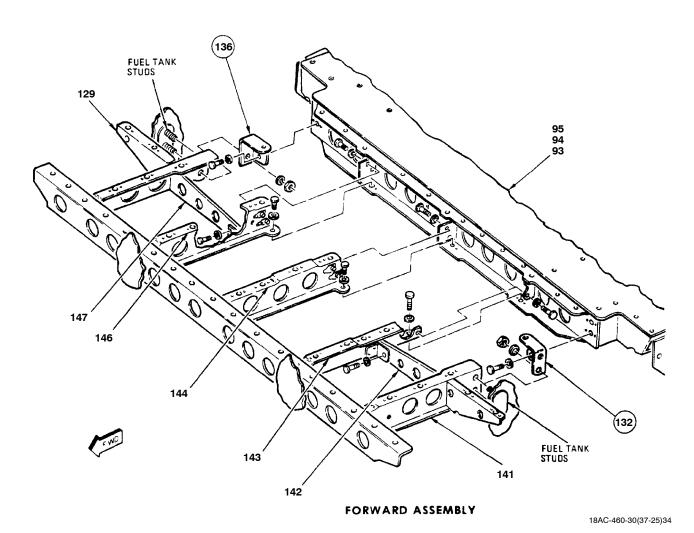
18AC-460-30-(37-24)39

a. If removing a hinged center panel, fold hinged portion(s) of center panel (93 or 94) down.

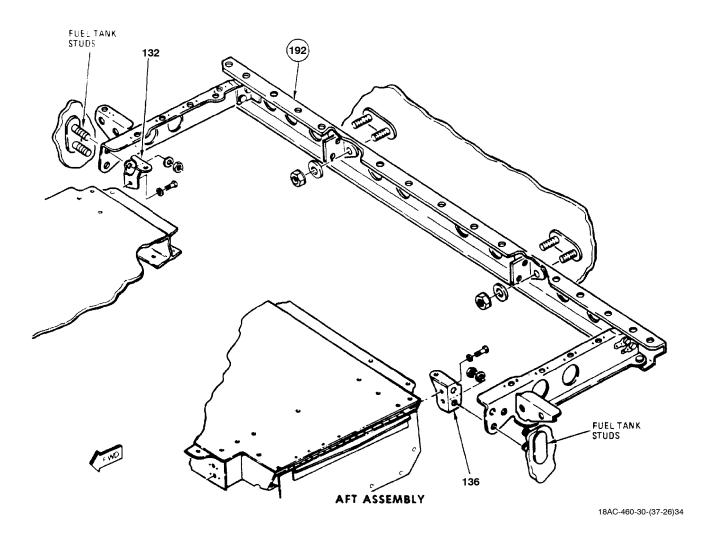
WARNING

To prevent injury to personnel or damage to components, do not stand on center panel when removing supports.

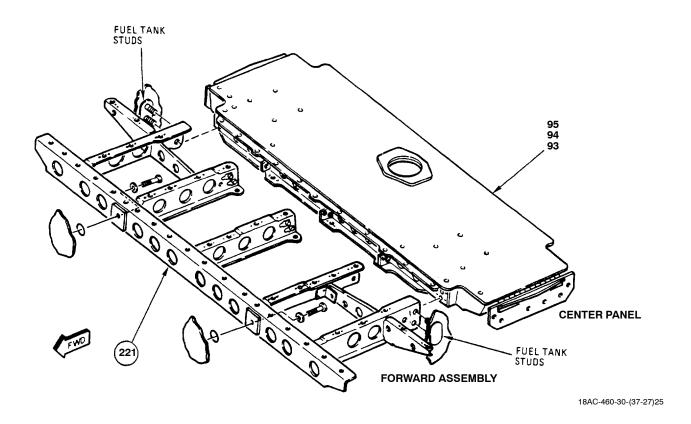
- b. Disconnect supports (129, 141, 142, 143, 144, 146 and 147) from center panel (93, 94 or 95).
- c. Disconnect brackets (132 and 136) from supports (129 and 141) and center panel (93, 94 or 95).



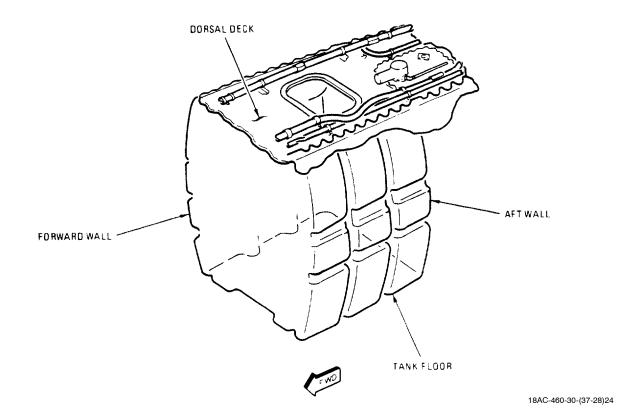
- d. Remove brackets (132 and 136) and attaching parts.
- e. Remove beam (192) and attaching parts.



f. Remove center panel (93, 94 or 95), beam (221) and attaching parts.



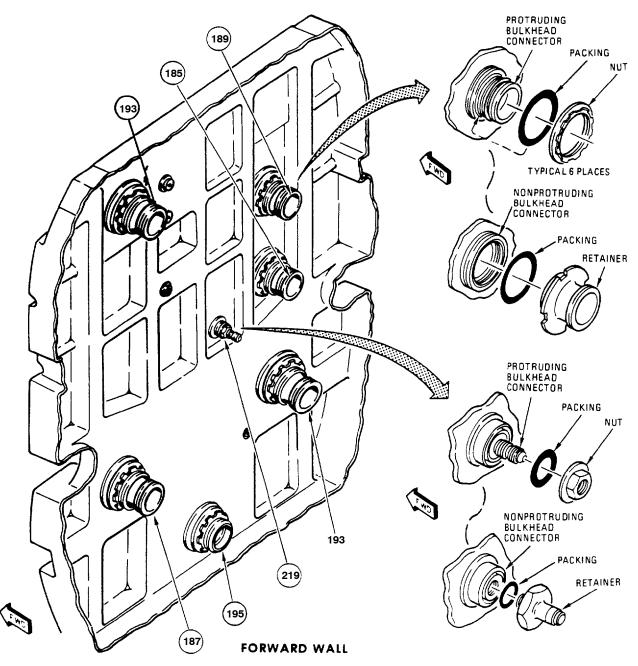
11. **SEQUENCE 9**.



NOTE

High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers.

a. Remove nuts or retainers (185, 187, 189, 193, 195 and 219).

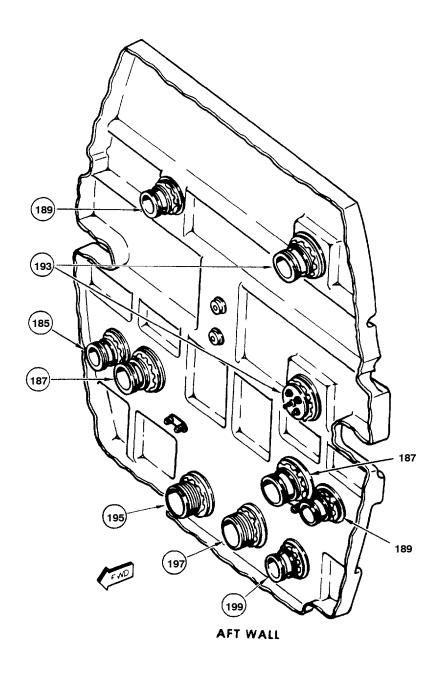


18AC-460-30-(37-29)43

NOTE

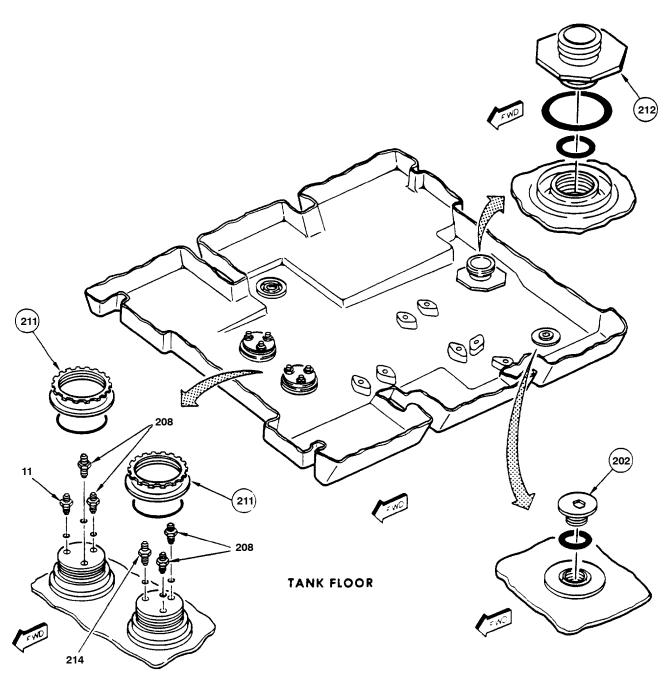
High breakaway torque (600 to 1000 inchpounds, can be expected when removing bulkhead retainers.

b. Remove nuts or retainers (185, 187, 189, 193, 195, 197 and 199).



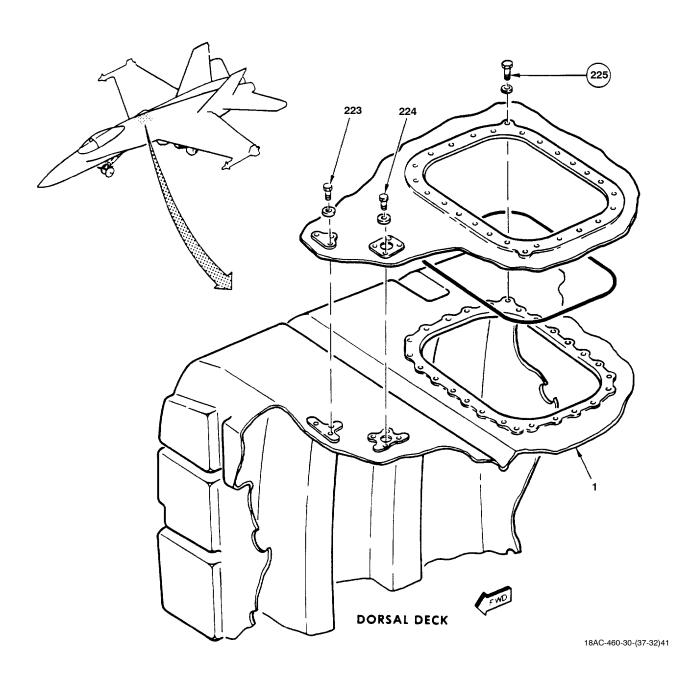
18AC-460-30-(37-30)40

- c. Remove retainer (212) and adapter (202).
- d. Remove nuts (211), reducer (214) and nipples (11 and 208).



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e. Remove bolts (223, 224, and 225) and attaching parts.



12. **SEQUENCE 10**.

a. Apply pressure sensitive tape to threads of all protruding type bulkhead fittings.

CAUTION

To prevent damage to fuel tank, be careful when cutting lacing cords. Also be careful when lowering tank from bulkhead fittings.

b. Carefully cut all lacing cords.



To prevent damage to fuel tank, fuel tank fittings and cavity bulkhead fittings, do not allow fuel tank fittings to become cocked on cavity bulkhead fittings during removal. Be careful when lowering tank from cavity bulkhead fittings.

To avoid damage to fuel tank fittings do not use pliers when removing tank from bulkhead fittings.

NOTE

Make sure packings are removed before pulling tank off bulkhead fitting.

When removing tank from protruding type bulkhead fitting, remove forward lower left side of tank first.

- c. Working between fuel cavity wall and fuel tank, using fuel cell removal/installation tool set (WP009 01), slide tank off all cavity bulkhead fittings and place cardboard barrier material between tank and bulkhead fittings as required.
 - d. Remove protective pad from tank (WP009 01).
- e. Fold and remove fuel tank (WP021 00). Make sure tank is off all bulkhead fittings.

13. CAVITY INSPECTION. (QA)

a. Observe applicable fuel tank maintenance precautions (WP013 00).

CAUTION

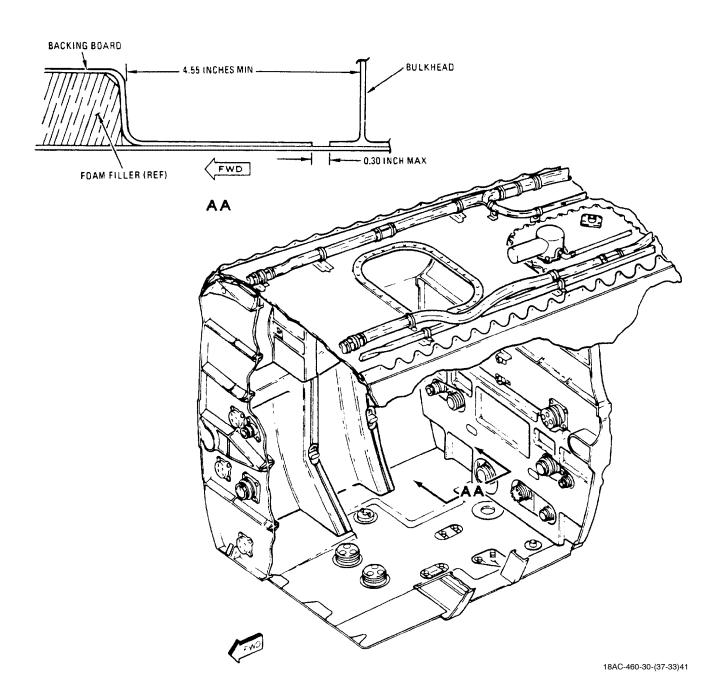
Failure to do the steps below may result in damage to fuel tank.

- b. Clean and inspect all fittings of:
 - (1) dirt
 - (2) paint
 - (3) grease
 - (4) corrosion
- (5) foreign material that would prevent a correct seal
- c. Inspect for and repair/replace fittings (WP038 00) and, if applicable, retainers (WP038 01) with:
 - (1) cracks
 - (2) scratches
 - (3) nicks
 - (4) distortion
 - (5) damaged threads
- (6) damage that would cause mismatching, or prevent a correct seal
- d. Inspect for and replace (WP021 01) all foam that is:
 - (1) loose
 - (2) damaged
- (3) fuel soaked (Fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00).
 - (4) missing

- e. Inspect for and replace (WP039 00) all pressure sensitive tape that is damaged, loose, missing or does not cover:
 - (1) rivet collars
 - (2) nuts
 - (3) bolts
 - (4) bucked head of rivets
- (5) lap joints with a thickness of 0.126 inch or more
 - (6) sharp edges that could chafe tank
- f. Inspect for and replace (WP035 01) backing boards that are:
 - (1) damaged

- (2) fuel soaked
- g. Inspect for and replace (WP036 01) thermal insulation blankets that are:
 - (1) damaged
 - (2) loose
 - (3) fuel soaked
 - h. Inspect complete cavity for:
- (1) burrs, metal edges or protrusions not covered with pressure sensitive tape or foam, could cause damage to fuel cell
 - (2) loose, missing or damaged lacing clips
 - (3) cleanliness
 - (4) corrosion

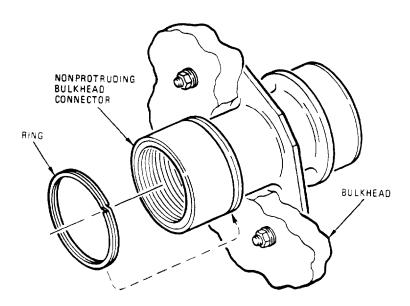
i. Inspect for proper dimensions between backing board and bulkhead.



NOTE

Nonprotruding bulkhead connectors have ring on one side only opposite side has fixed flange.

j. Inspect applicable nonprotruding bulkhead connectors and replace (WP041 00) missing or damaged rings.



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1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

REMOVAL - NO. 2 FUEL TANK (5CAP509)

FUEL STORAGE SYSTEM

EFFECTIVITY: 161716 AND UP

Reference Material

Fuel System	A1-F18AC-460-300
Ground Support Equipment	WP009 01
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
IPB No. 2 Fuel Tank	WP020 02
Repair - No. 2 Fuel Tank Inverted Flight Baffle	WP020 03
No. 2 Fuel Tank Inspection and Folding	WP021 00
No. 2 Fuel Tank Cavity Foam Filler	WP021 01
No. 2 and No. 3 Fuel Tank Backing Boards	WP035 01
Fuel Tank Cavity Thermal Blankets	WP036 01
Fuel Tank Cavity Repair	WP038 00
Repair - Bulkhead Connector Retainers	WP038 01
Fuel Tank Cavity Preparation	WP039 00
No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports	WP041 00

Alphabetical Index

Subject	Page No.
Cavity Inspection	48
General	2
Materials Required	2
Removal	3
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings With Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
57A43	Electric General Purpose Explosion Proof Lantern
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench
74D460102-1001	Fuel Tank Bulkhead Nuts Adapter Set

Materials Required

or Part Number	Nomenclature
MIL-T-43435 TYPE-2 SIZE-3 FINISH-C	Lacing Tape
(CAGE 81349)	

1. GENERAL.

NOTE

For complete parts list, see No. 2 Fuel Tank IPB (WP020 02).

For baffle repair, see No. 2 Fuel Tank Inverted Flight Baffle Repair (WP020 03).

a. Remove parts as an assembly as shown on illustration.

b. When removing an assembly, secure attaching parts to assembly in cloth bag.

NOTE

Tagging assemblies with index numbers circled on artwork of procedure will aid in installation.

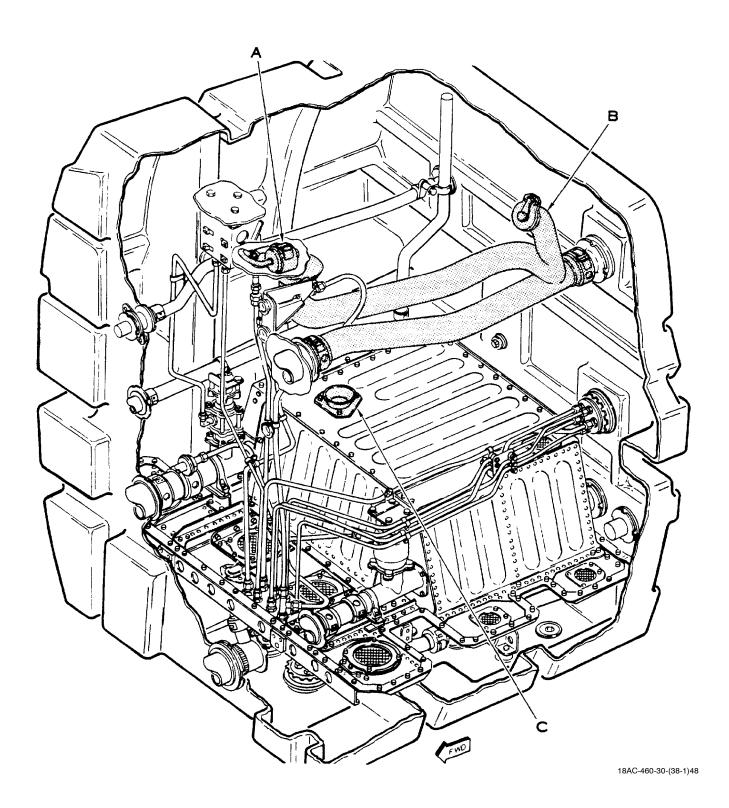
- c. Tag assembly with index number that has been circled on artwork of procedure.
 - d. Keep parts grouped in containers after removal.
- e. Do general preparation for removal (WP013 00).

WARNING

To prevent injury to personnel, trapped fuel remaining in fuel tank components should not be allowed to spill inside fuel tank during removal. Unavoidable fuel spills should be mopped up and removed immediately.

- f. Catch any trapped fuel remaining in fuel tank components with an approved safety container, as required, during removal. Mop up and remove any fuel spills inside tank immediately.
- g. High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers from non-protruding type bulkhead connectors.

- 2. **REMOVAL**.
- 3. **SEQUENCE 1**.

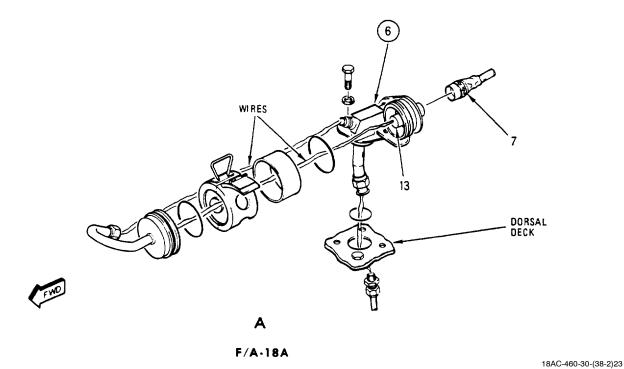


- a. On F/A-18A do substeps below:
 - (1) Disconnect connector (7).
 - (2) Remove wires from connector (13).



To prevent damage to wires carefully slide wires through related components.

- (3) Disconnect and remove elbow (6) and attaching parts.
 - (4) Attach 6 feet of lacing tape to wires.

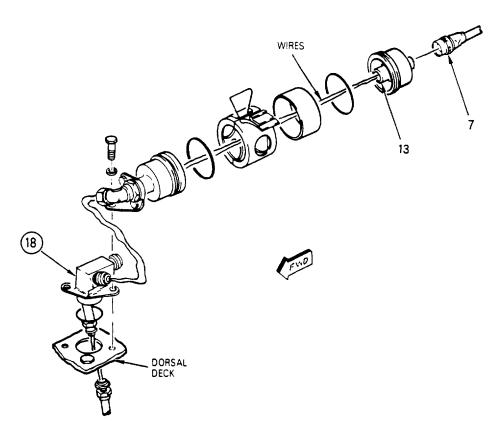


- b. On F/A-18B, do substeps below:
 - (1) Disconnect connector (7).
 - (2) Remove wires from connector (13).



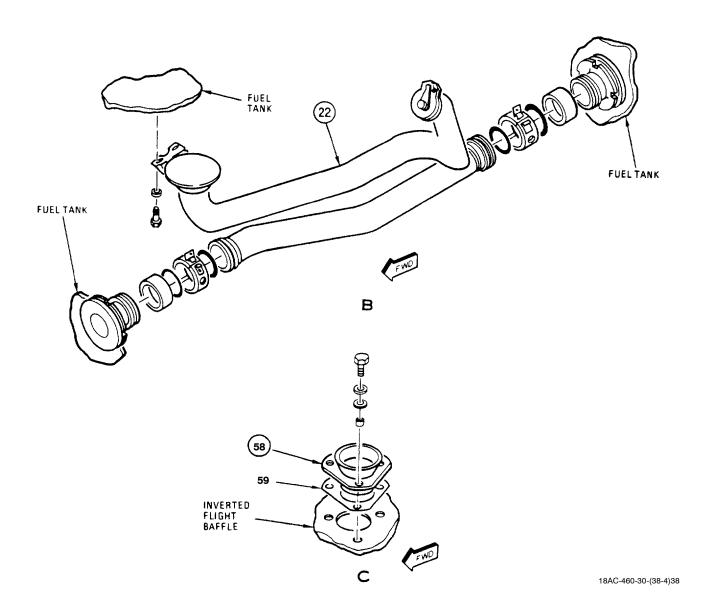
To prevent damage to wires carefully slide wires through related components.

- (3) Disconnect and remove elbow (18) and attaching parts.
 - (4) Attach 6 feet of lacing tape to wires.

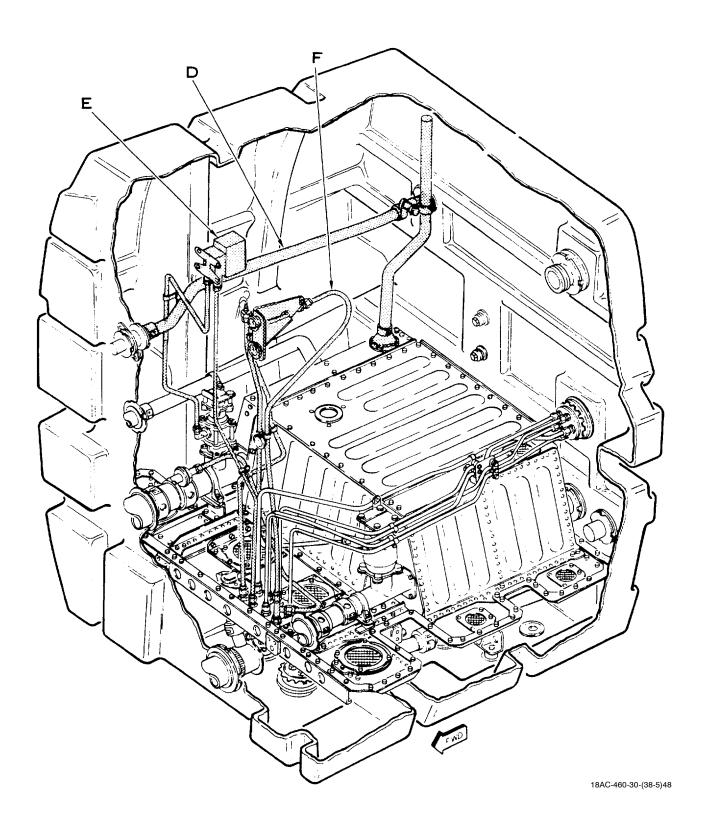


18AC-460-30-(38-3)13 30

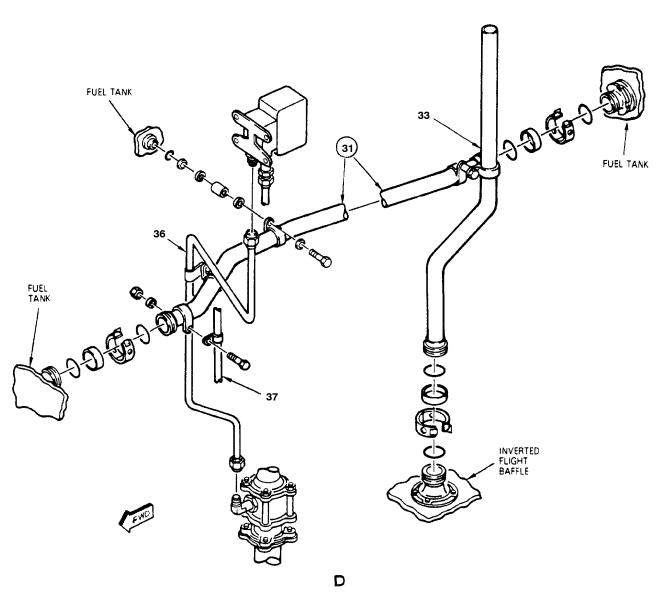
- c. Remove guide (58), gasket (59), if applicable, and attaching parts.
- d. Remove vent assembly (22) and related parts.



5. **SEQUENCE 3**.

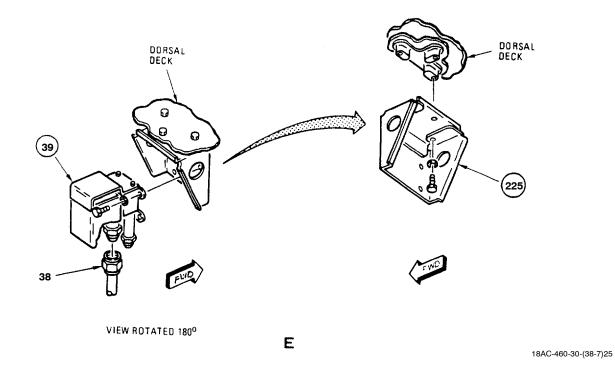


- a. On 161716 THRU 161761 disconnect tube (37).
- b. Disconnect tubes (33 and 36) and remove as an assembly with tube (31) and related parts.



18AC-460-30-(38-6)C 39

c. Disconnect tube (38) and remove valve (39), support (225) and attaching parts.

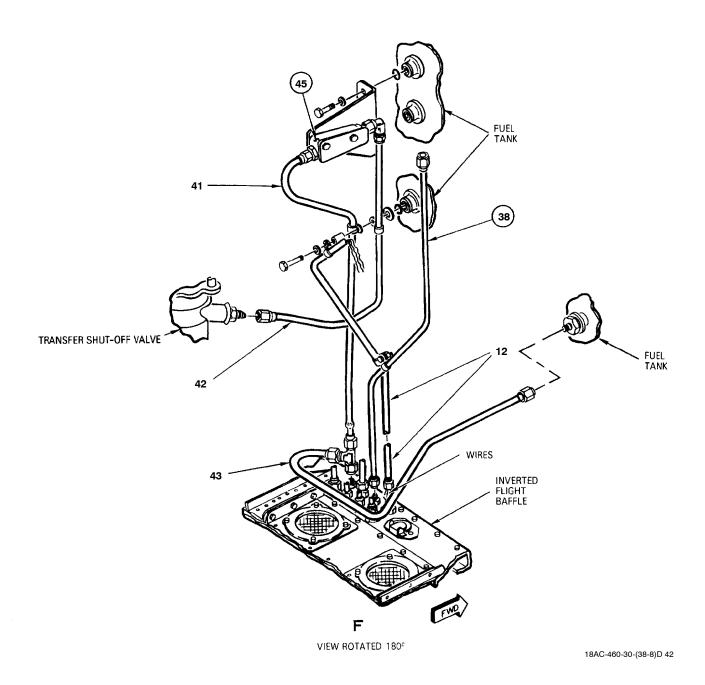


d. Remove sensor (45) with tubes (41, 42 and 43).

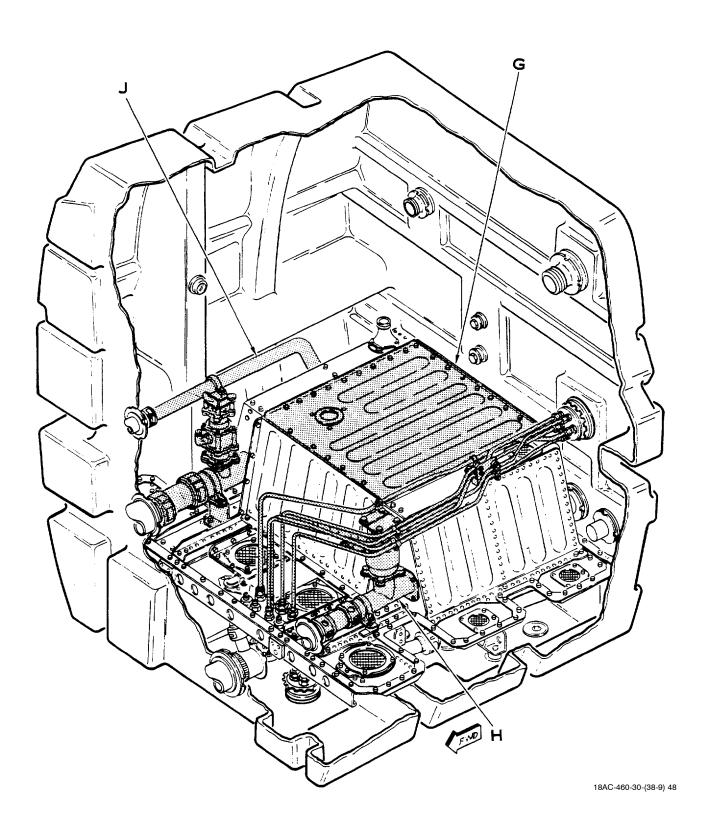


To prevent damage to wires, carefully slide wires through related components.

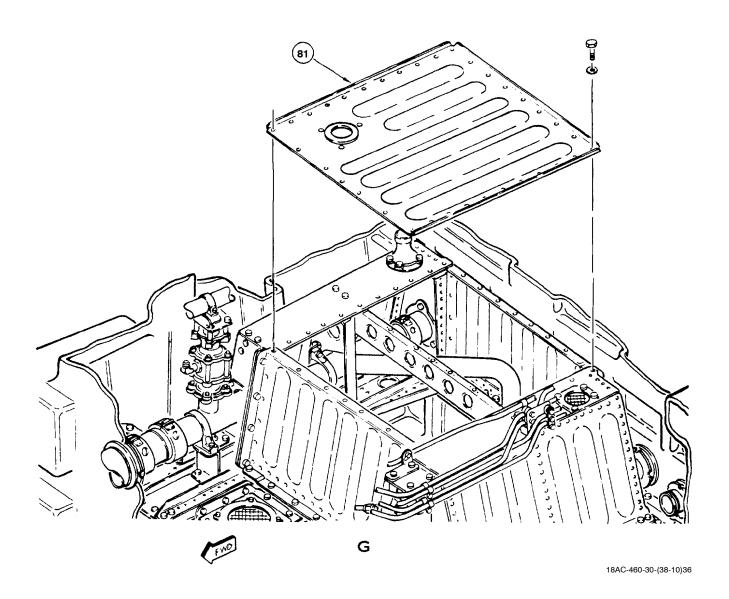
e. Remove tubes (12 and 38). Carefully pull wires through tube (12) until lacing tape is visible. Untie lacing tape from wires.



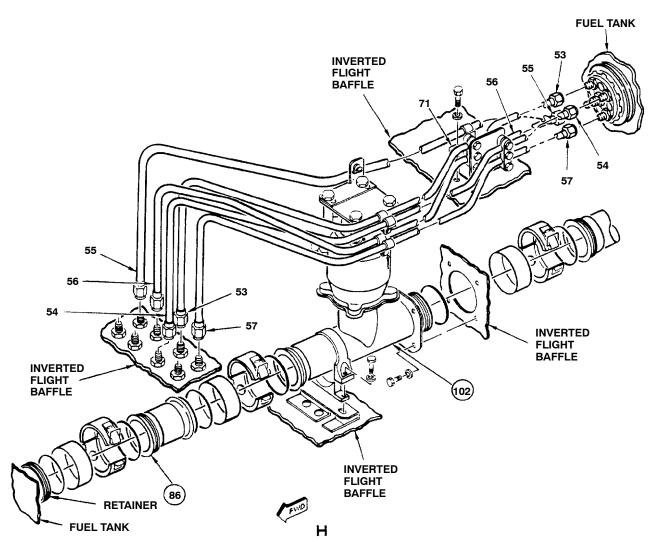
6. SEQUENCE 4.



a. Remove cover (81) and attaching parts.



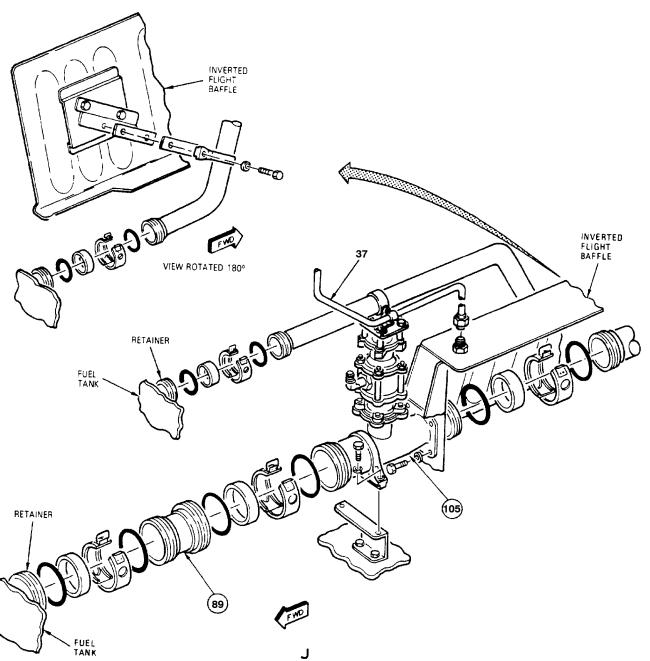
- b. Remove tube (86) and related parts.
- c. Disconnect tubes (53, 54, 56 and 57).
- d. On 161716 THRU 163145, disconnect tube (55).
- e. Disconnect bracket (71), then remove tee (102) and related parts.



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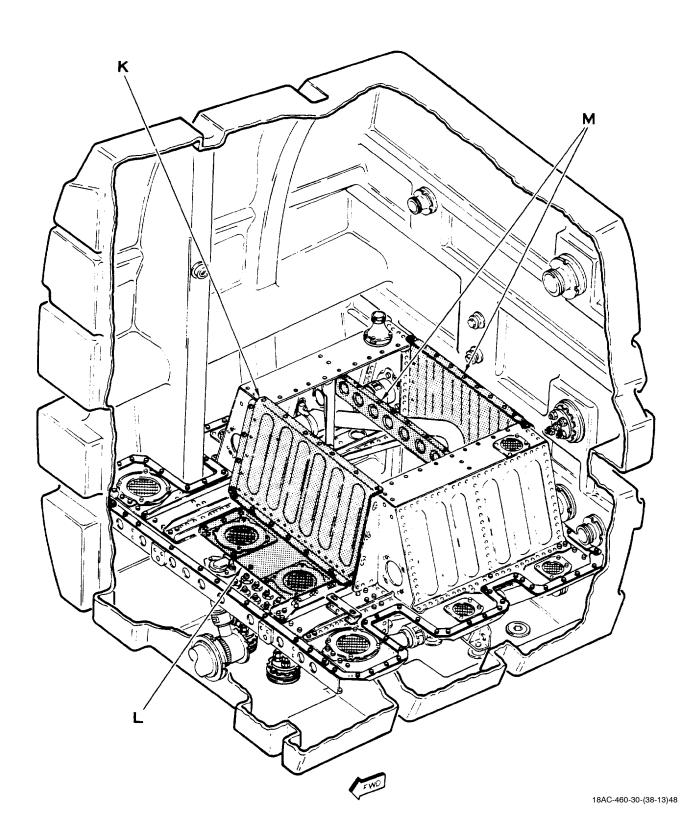
- f. On 161716 THRU 161761, disconnect tube (37). h. Remove tee (105) and related parts.

g. Remove tube (89) and related parts.

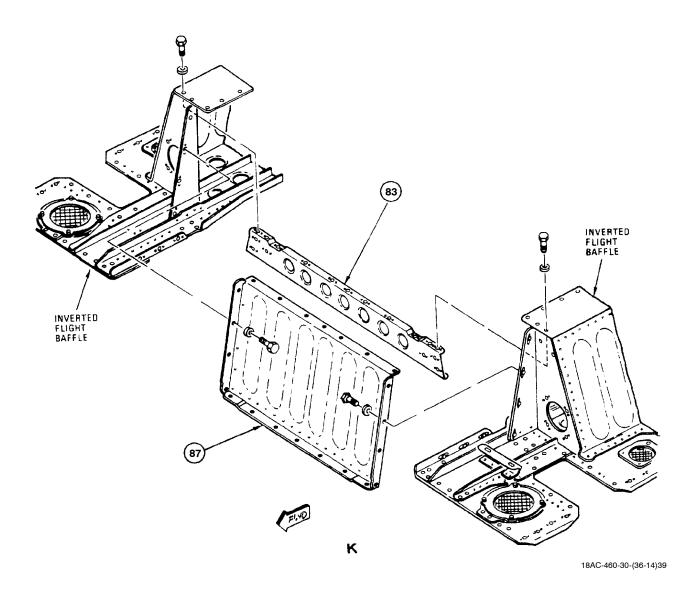


18AC-460-30-(38-12)46

7. **SEQUENCE 5**.



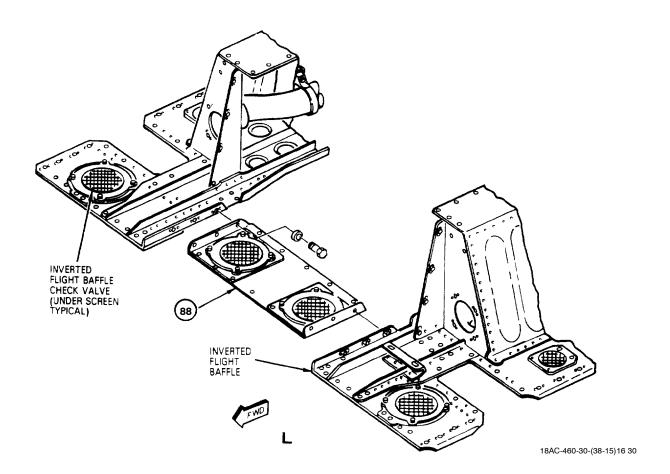
- a. Remove panel (87) and attaching parts.
- b. Remove support (83) and attaching parts.



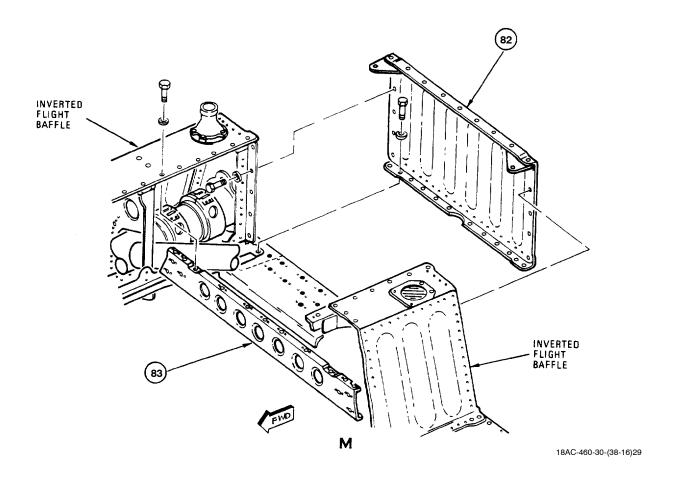


Remove panel carefully to avoid damaging tank and components.

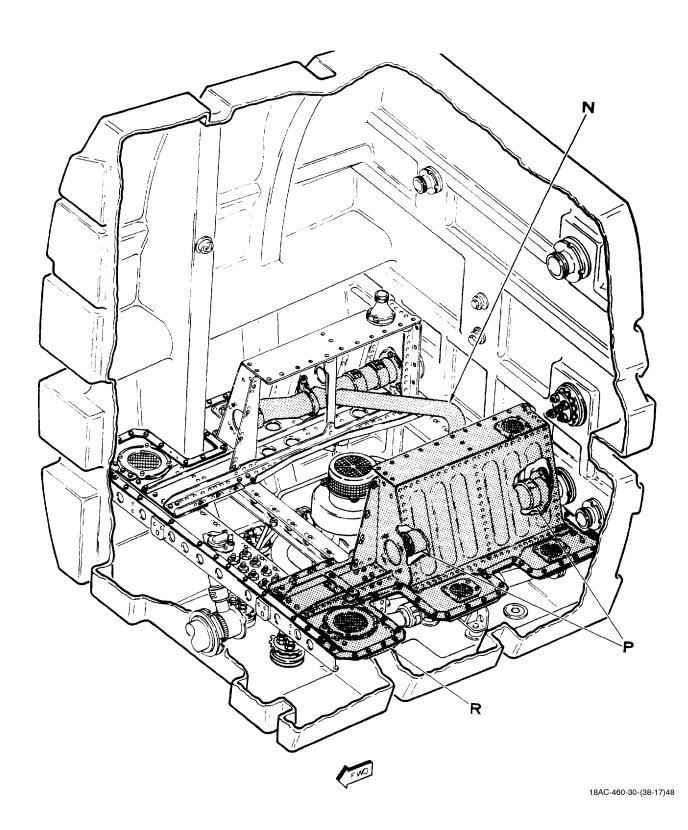
Damage to inverted flight baffle check valves can occur if panel is rested on check valves. Use caution when handling or storing panels. c. Remove panel (88) and attaching parts.



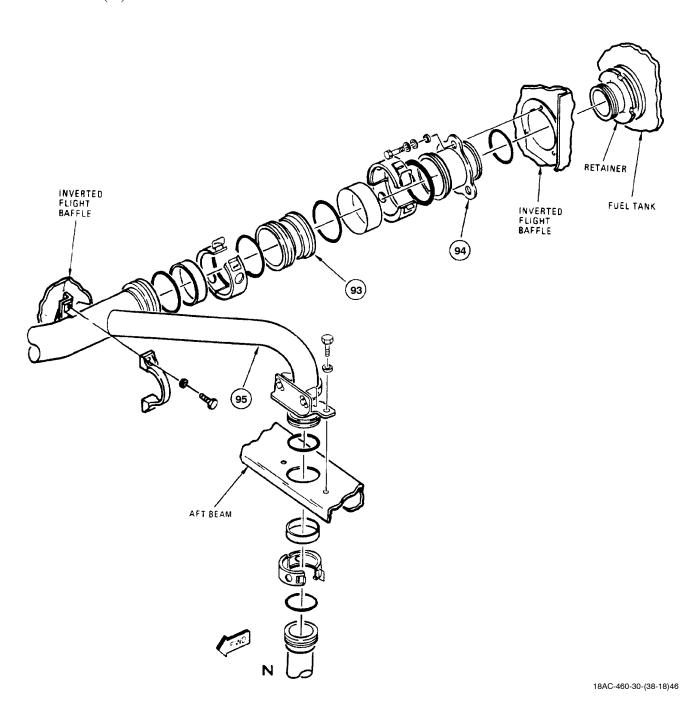
- d. Remove support (83) and attaching parts.
- e. Remove panel (82) and attaching parts.



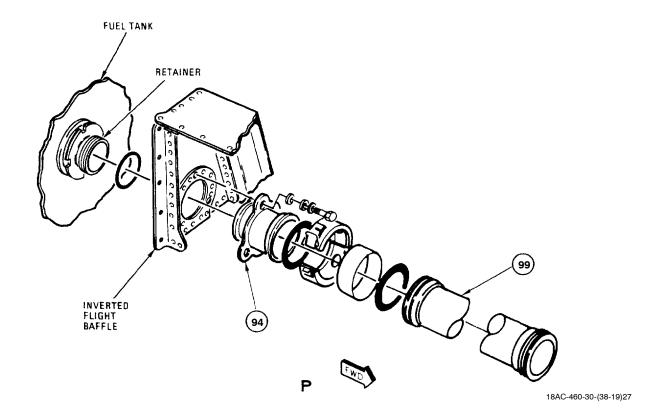
8. SEQUENCE 6.



- a. Remove tube (93) and related parts.
- b. Remove connector (94) attaching parts then slide connector (94) off retainer.
- c. Remove manifold (95) and related parts.



- d. Remove tube (99) and related parts.
- e. Remove connector (94) attaching parts, then slide connector (94) off retainer.



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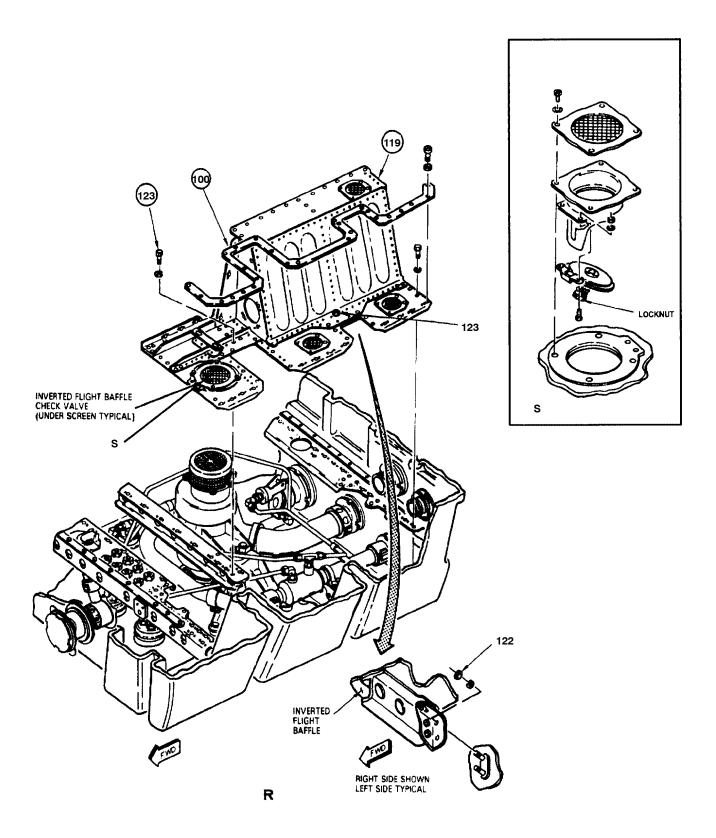
f. Remove retainer (100) and attaching parts.



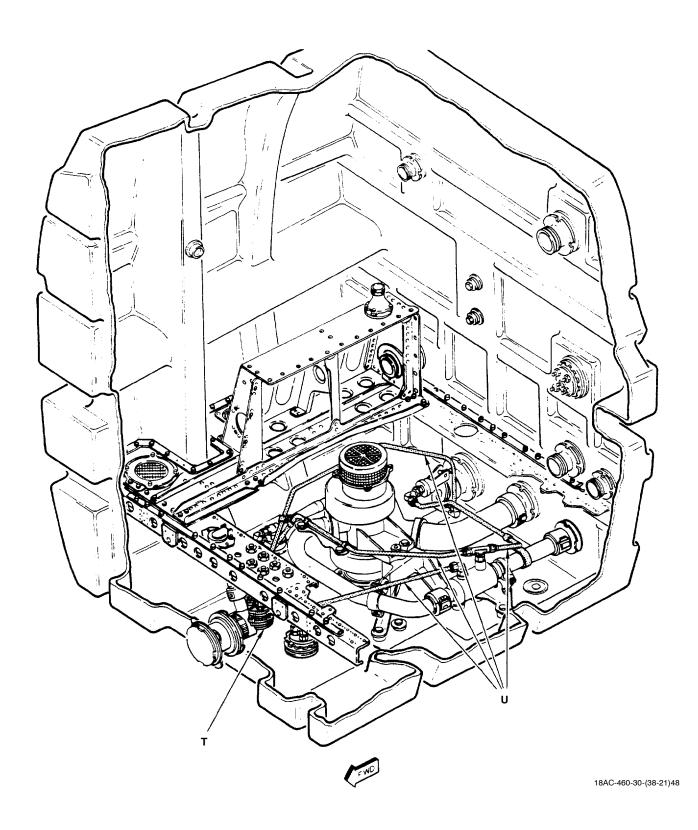
Remove web carefully to avoid damaging tank or components.

Damage to inverted flight baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.

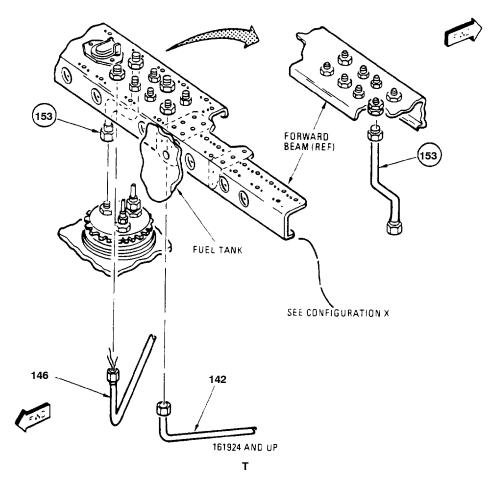
- g. Remove nuts (122) and washers, bolt (123), web (119) and attaching parts.
- h. Inspect inverted flight baffle check valves to make sure locknut on bottom of check valve and all attaching parts are secure. See view S.



9. **SEQUENCE 7**.



- a. On 161924 AND UP, disconnect tubes (142 and b. On 161924 THRU 163145, remove tube (153). 146).



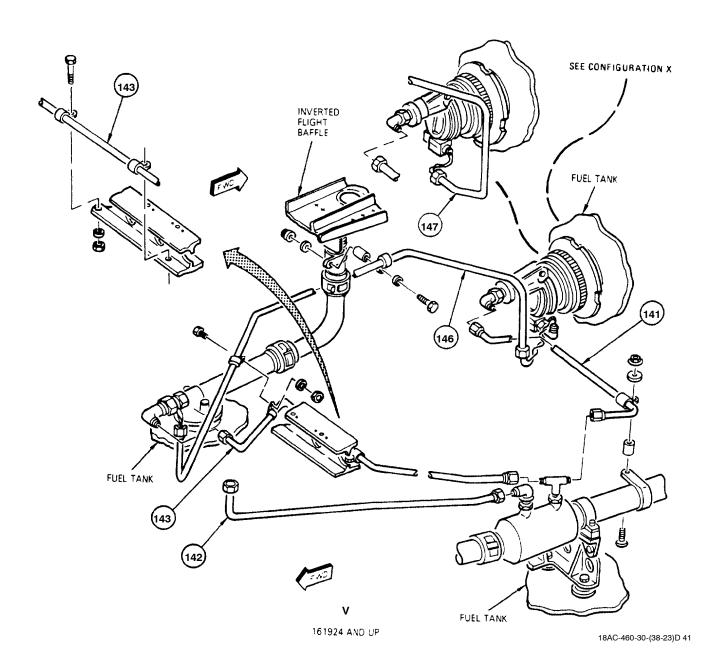
18AC-460-30-(38-22)31

- c. On 161924 AND UP, do substeps below:
 - (1) Remove tubes (141, 142 and 143).
 - (2) Tie a 4 foot lacing tape to wires in tube (146).

CAUTION

To prevent damage to wires, carefully slide wires through related components.

(3) Disconnect tube (146) and carefully pull wires through tube (146) until lacing tape is visible. Until lacing tape from wires and secure to tube (146 or 147), then remove tube (146 or 147).

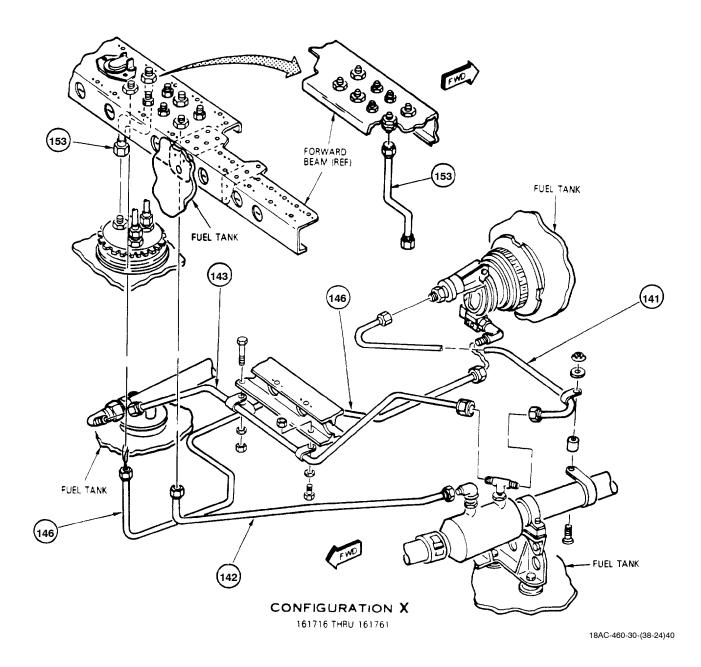


- d. On 161716 THRU 161761, do substeps below:
- (1) Remove tubes (141, 142, 143 and 153) and related parts.
 - (2) Tie a 4 foot lacing tape to wires in tube (146).

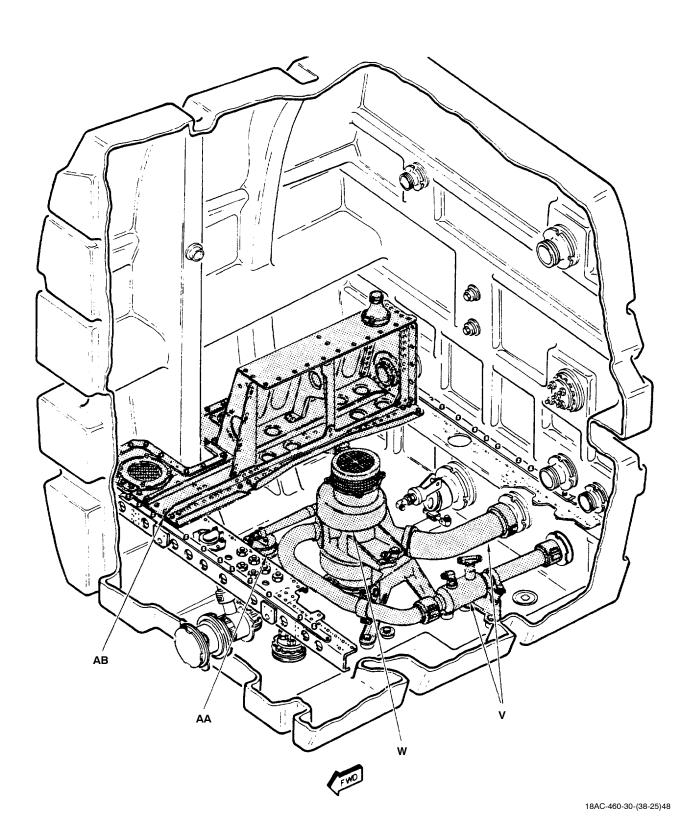
CAUTION

To prevent damage to wires, carefully slide wires through related components.

(3) Disconnect tube (146) and carefully pull wires through tube (146) until string is visible. Until lacing tape from wires and secure to tube (146), then remove tube (146).

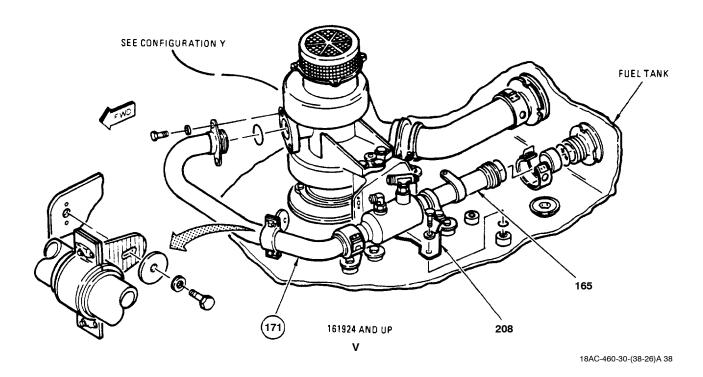


10. SEQUENCE 8.



a. On 161924 AND UP, do substeps below:

(1) Remove wash filter (165) and tube (171) assembly with support (208).

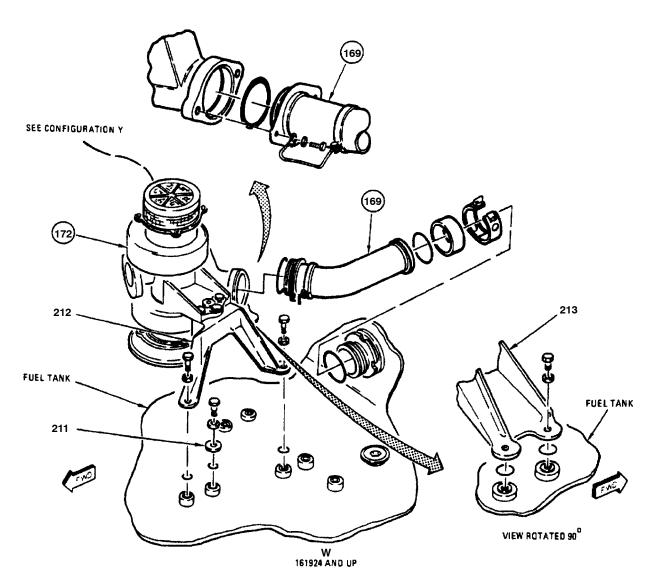


b. On 161924 AND UP, do substeps below:

(2) Inspect screens on boost pump (172) for damage.

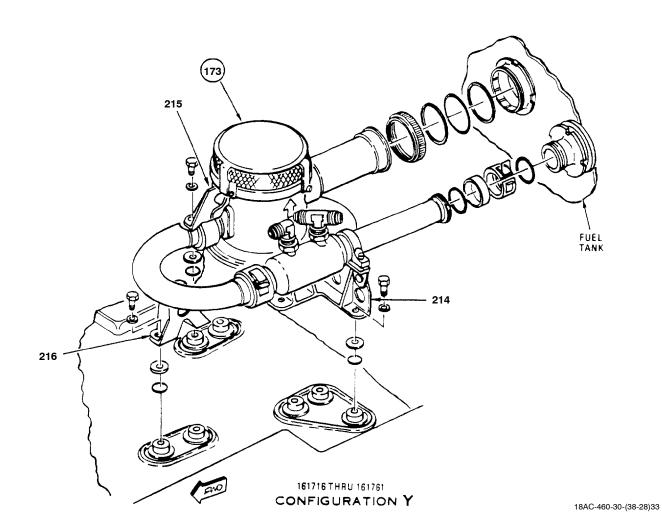
(1) Remove pump (172) with brackets (212 and 213), tube (169) and attaching parts.

(3) Remove washer (211) and related parts.

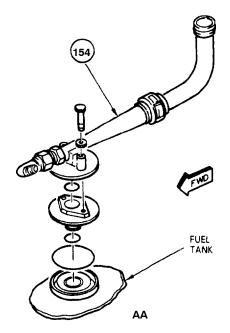


18AC-460-30-(38-27)40

- c. On 161716 THRU 161761, do substeps below:
- (1) Remove attaching parts from supports (214, 215 and 216).
- (2) Remove ejector (173) and related parts.



d. Remove ejector (154) and related parts.



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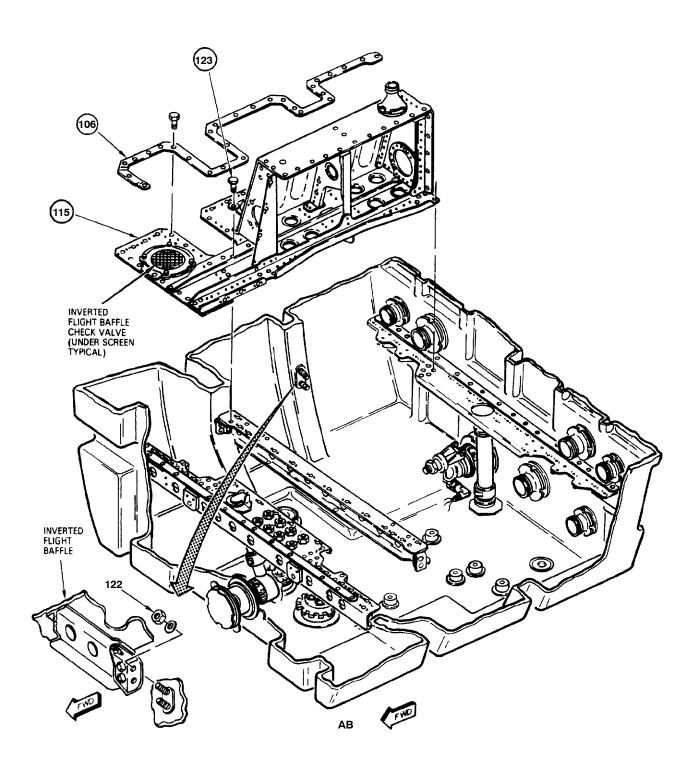
e. Remove retainer (106) and attaching parts.



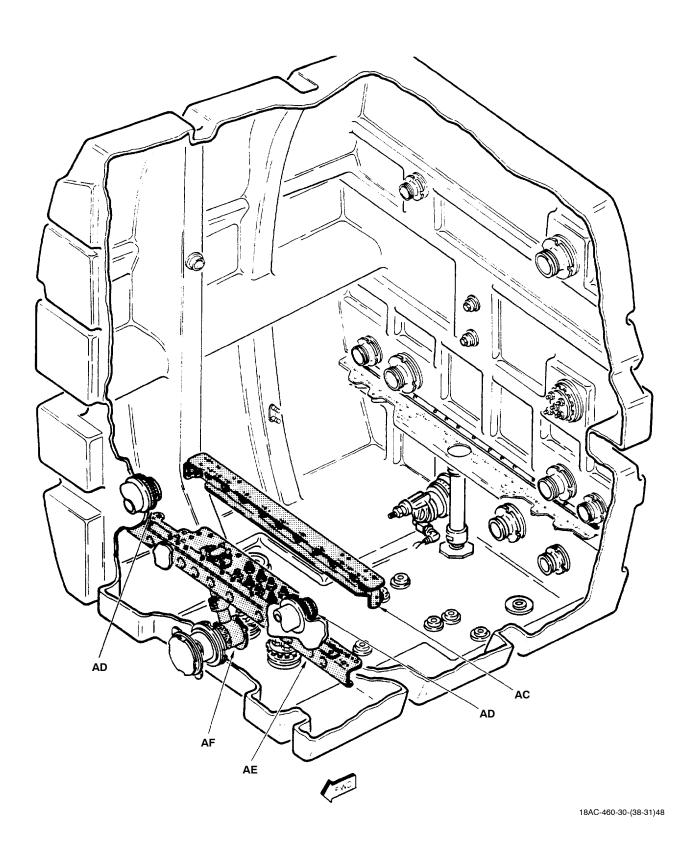
Remove web carefully to avoid damaging tank or components.

Damage to inverted flight baffle check valves can occur if web is rested on check valves. Use caution when handling or storing panel web.

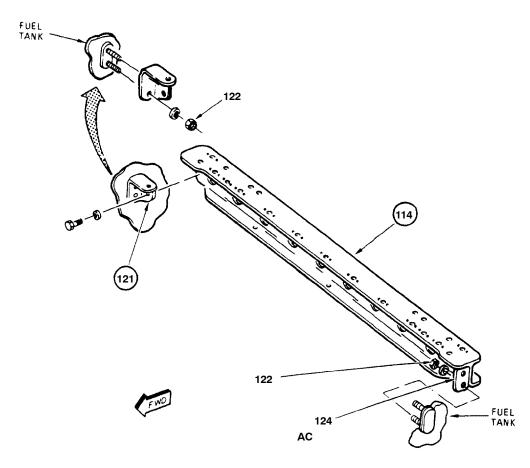
- f. Remove nuts (122) and washers, bolt (123), web (115) and attaching parts.
- g. Inspect inverted flight baffle check valves to make sure locknut on bottom of check valve and all attaching parts are secure. See view S.



11. **SEQUENCE 9**.

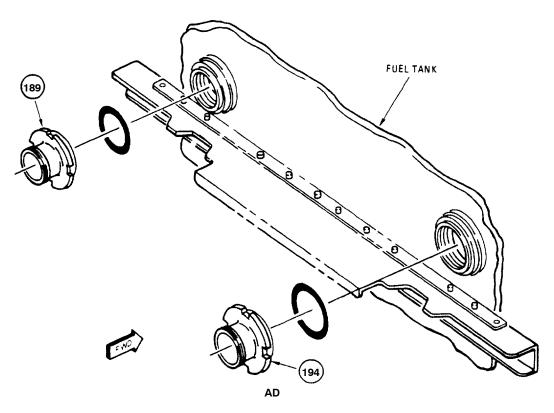


- a. Remove nuts (122) and washers, right bracket (121) and attaching parts.
- b. Remove beam (114) with bracket (124) installed on beam (114).



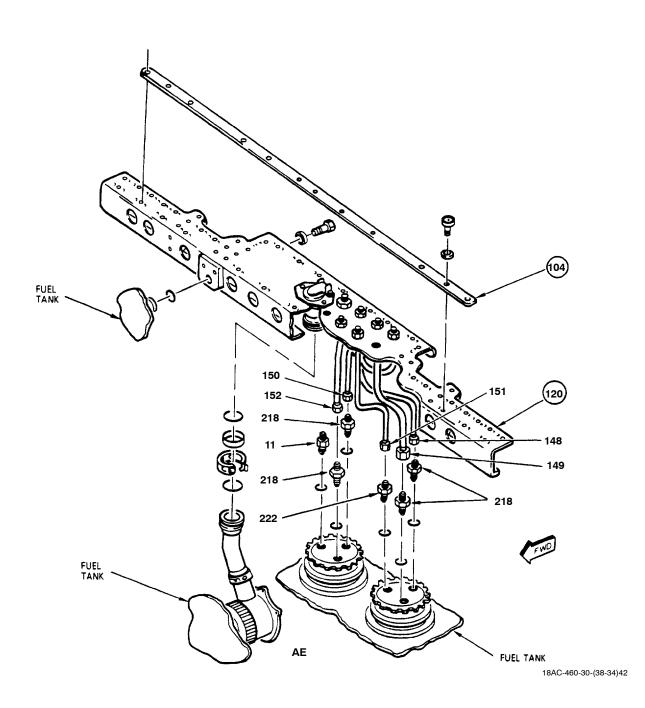
18AC-460-30-(38-32)29

c. Remove retainers (189 and 194).

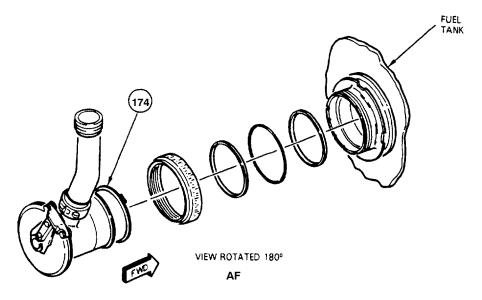


18AC-460-30-(38-33)30

- d. Remove retainer (104) and attaching parts.
- f. Remove beam (120) and attaching parts.
- e. Disconnect tubes (148, 149, 150, 151 and 152).
- g. Remove nipples (11 and 218) and reducer (222).

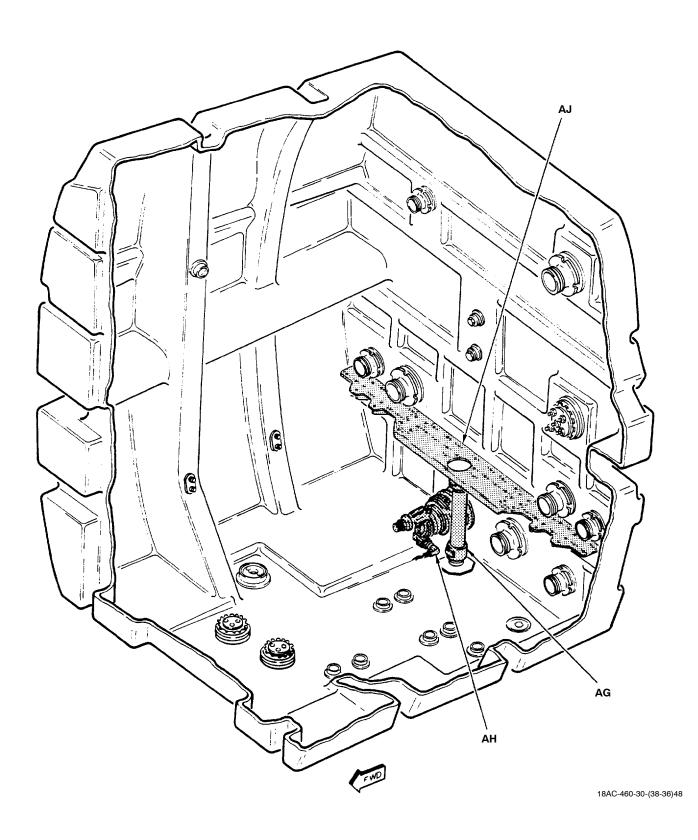


h. Remove valve (174) and related parts.



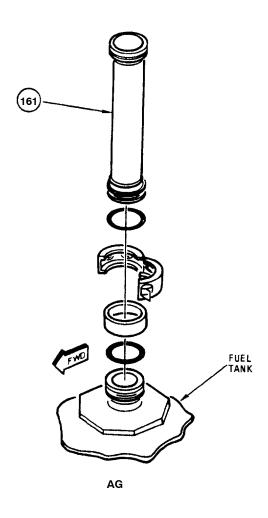
18AC-460-30-(38-35)20

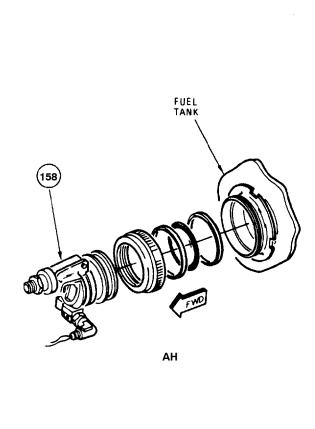
12. **SEQUENCE 10**.



a. Remove tube (161) and related parts.

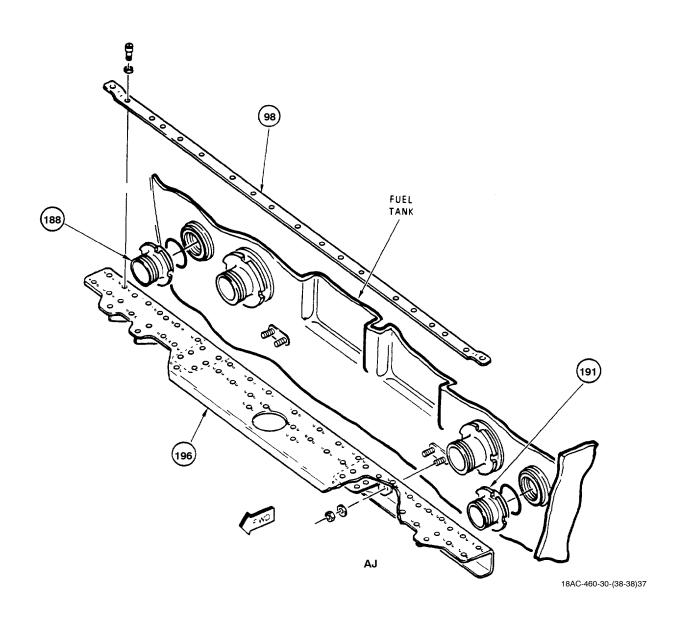
b. Remove valve (158) and related parts.



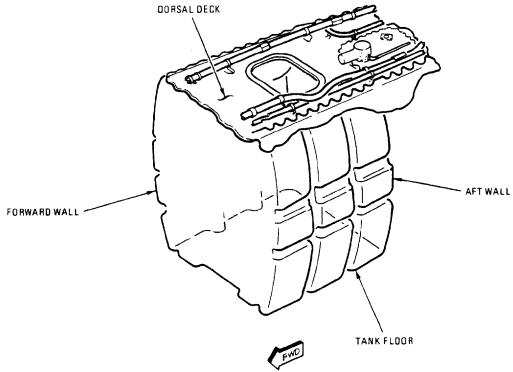


18AC-460-30-(38-37)32

- c. Remove retainers (188 and 191).
- d. Remove retainer (98) and attaching parts.
- e. Remove beam (196) and attaching parts.



13. **SEQUENCE 11**.

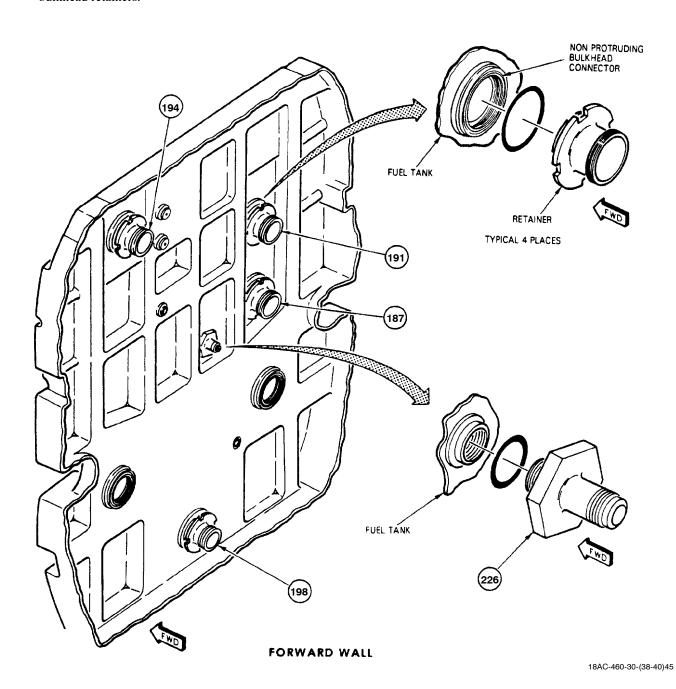


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NOTE

High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers.

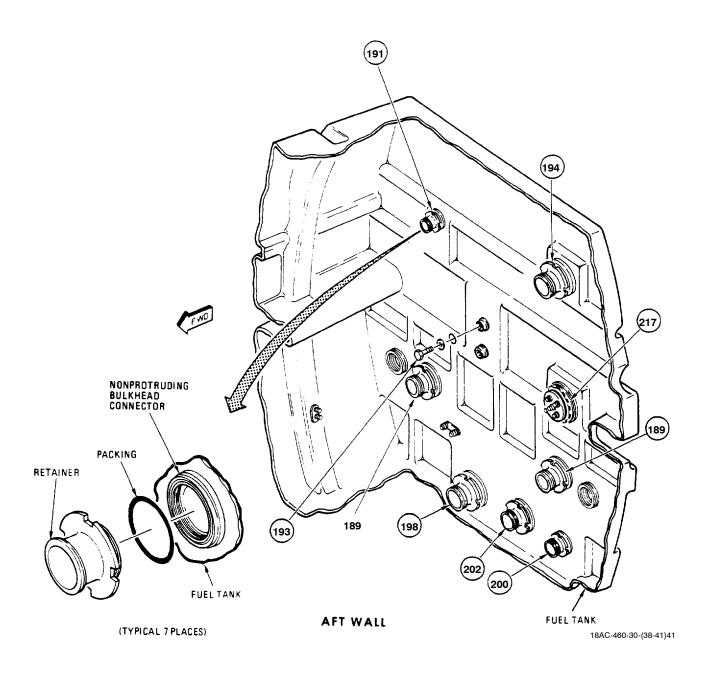
a. Remove retainers (187, 191, 194, 198 and 226).



NOTE

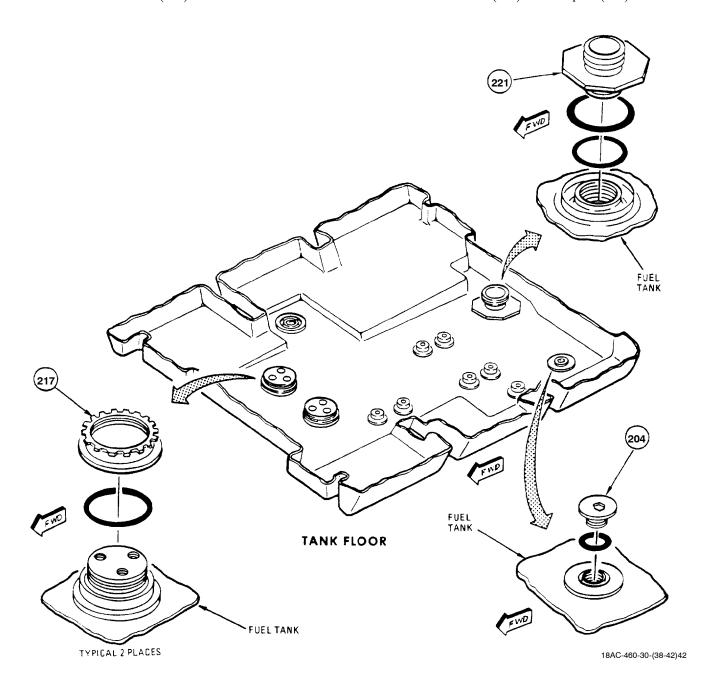
High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers.

- b. Remove nut (217) and retainers (189, 191, 194, 198, 200 and 202).
 - c. Remove bolts (193).

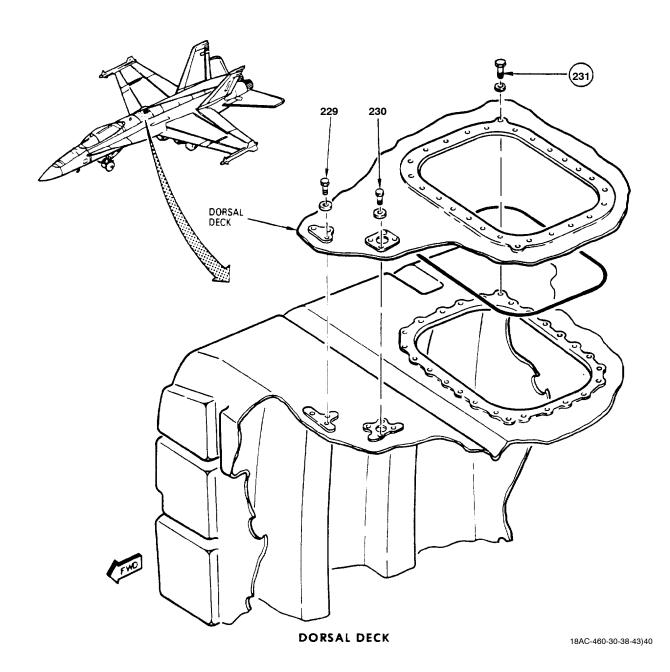


d. Remove retainer (221).

e. Remove nuts (217) and adapter (204).



f. Remove bolts (229, 230 and 231) and attaching parts.



14. **SEQUENCE 12**.



To prevent damage to fuel tank, be careful when cutting lacing cords.

a. Carefully cut all lacing cords.



To prevent damage to fuel tank, fuel tank fittings and cavity bulkhead fittings, do not allow fuel tank fittings to become cocked on cavity bulkhead fittings during removal. Be careful when lowering tank from cavity bulkhead fittings.

To avoid damage to fuel tank fittings do not use pliers when removing tank from bulkhead fittings.

- b. Remove all used packings before pulling tank off bulkhead fittings.
 - c. Remove protective pad from tank (WP009 01).
- d. Fold and remove fuel tank (WP021 00). Make sure tank is off all bulkhead fittings.

15. CAVITY INSPECTION. (QA)

a. Observe applicable fuel tank maintenance precautions (WP013 00).



Failure to do the steps below may result in damage to fuel tank.

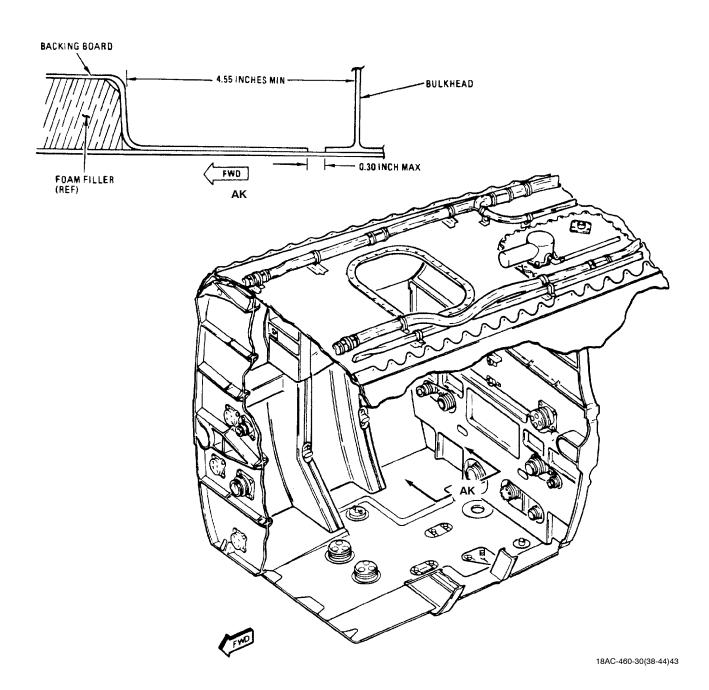
- b. Clean and inspect all fittings of:
 - (1) dirt
 - (2) paint

- (3) grease
- (4) corrosion
- (5) foreign material that would prevent a correct seal
- c. Inspect for and repair/replace fittings (WP038 00) and, if applicable, retainers (WP038 01) with:
 - (1) cracks
 - (2) scratches
 - (3) nicks
 - (4) distortion
 - (5) damaged threads
- (6) damage that would cause mismatching, or prevent a correct seal
- d. Inspect for and replace (WP021 01) all foam that is:
 - (1) loose
 - (2) damaged
- (3) fuel soaked (Fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00.)
 - (4) missing
- e. Inspect for and replace (WP039 00) all pressure sensitive tape that is damaged, loose, missing or does not cover:
 - (1) rivet collars
 - (2) nuts
 - (3) bolts
 - (4) bucked heads of rivets
- (5) lap joints with a thickness of 0.126 inch or more
 - (6) sharp edges that could chafe tank

- f. Inspect for and replace (WP035 01) backing boards that are:
 - (1) damaged
 - (2) fuel soaked
- g. Inspect for and replace (WP036 01) thermal insulation blankets that are:
 - (1) damaged
 - (2) loose

- (3) fuel soaked
- h. Inspect complete cavity for:
- (1) burrs, metal edges or protrusions not covered with pressure sensitive tape or foam, which could cause damage to fuel tank
 - (2) loose, missing or damaged lacing clips
 - (3) cleanliness
 - (4) corrosion

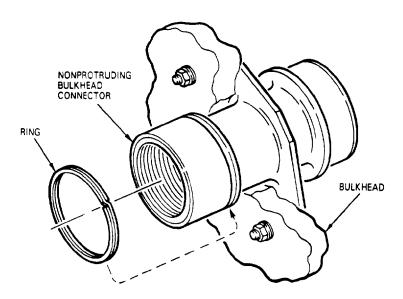
i. Inspect for proper dimensions between backing board and bulkhead.



NOTE

Bulkhead connectors have ring on one side only, opposite side has fixed flange.

j. Inspect applicable bulkhead connectors and replace (WP041 00) missing or damaged rings.



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1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REMOVAL - NO. 2 FUEL TANK (5CAP509)

FUEL STORAGE SYSTEM

EFFECTIVITY: 161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53

Reference Material

Fuel System	A1-F18AC-460-300
Ground Support Equipment	WP009 01
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
IPB - No. 2 Fuel Tank	WP020 02
Repair - No. 2 Fuel Tank Inverted Flight Baffle	WP020 03
No. 2 Fuel Tank Inspection and Folding	WP021 00
No. 2 Fuel Tank Cavity Foam Filler	WP021 01
No. 2 and No. 3 Fuel Tank Backing Boards	WP035 01
Fuel Tank Cavity Thermal Blankets	WP036 01
Fuel Tank Cavity Repair	
Repair - Bulkhead Connector Retainers	WP038 01
Fuel Tank Cavity Preparation	WP039 00
No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports	WP041 00

Alphabetical Index

Subject	Page No.
Cavity Inspection	 44
General	 2
Materials Required	 2
Removal	 3
Support Equipment Required	 2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings With Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve, and Raised Inverted Baffle (ECP MDA-F/A-18-00055C1)	15 Jul 86	-
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/Sealing of Raised Baffle in Fuel Tank 2 sand 3 (ECP MDA-F/A-18-00077/C1/C2)	15 Jul 86	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
57A43	Electric General Purpose Explosion Proof Lantern
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench
74D460102-1001	Fuel Tank Bulkhead Nuts Adapter Set

Materials Required

Specification or Part Number	Nomenclature
474 (CAGE 76381)	Pressure Sensitive Tape
MIL-B-131, CLASS 1, (CAGE 81349)	Barrier Material (Heavy Paper or Canvas)
MIL-T-43435 TYPE-2 SIZE-3 FINISH-C (CAGE 81349)	Lacing Tape

1. GENERAL.

For complete parts list, see No. 2 Fuel Tank IPB (WP020 00).

NOTE

For baffle repair, see No. 2 Fuel Tank Inverted Flight Baffle Assembly Repair (WP020 03).

- a. Remove parts as an assembly as shown on illustration.
- b. When removing an assembly, secure attaching parts to assembly in cloth bag.

NOTE

Tagging assemblies with index numbers circled on artwork of procedure will aid in installation.

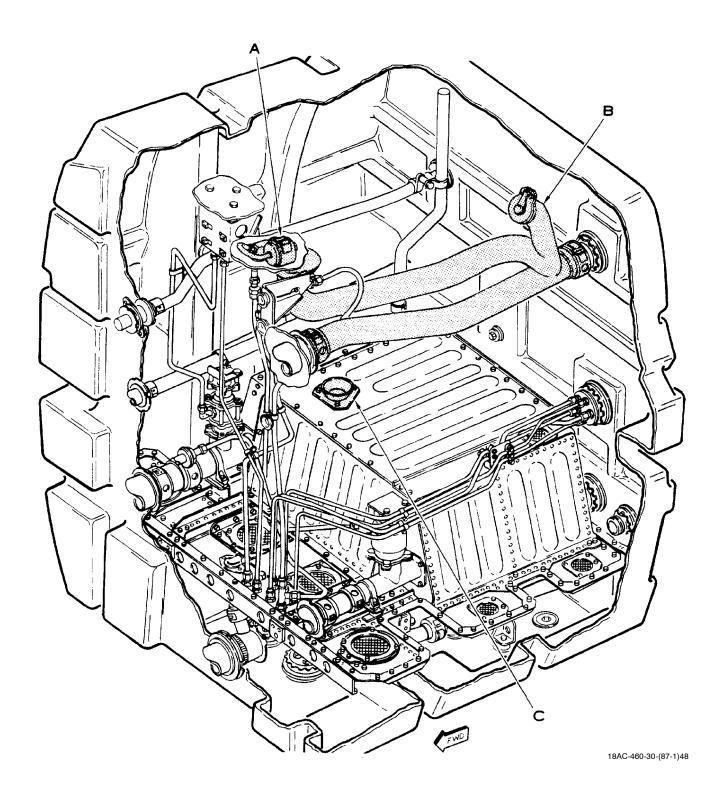
- c. Tag assembly with index number that has been circled on artwork of procedure.
 - d. Keep parts grouped in containers after removal.
- e. Do general preparation for removal (WP013 00).

WARNING

To prevent injury to personnel, trapped fuel remaining in fuel tank components should not be allowed to spill inside fuel tank during removal. Unavoidable fuel spills should be mopped up any removed immediately.

- f. Catch any trapped fuel remaining in fuel tank components with an approved safety container, as required, during removal. Mop up and remove any fuel spills inside tank immediately.
- g. High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers from non-protruding type bulkhead connectors.

- 2. **REMOVAL**.
- 3. **SEQUENCE 1**.

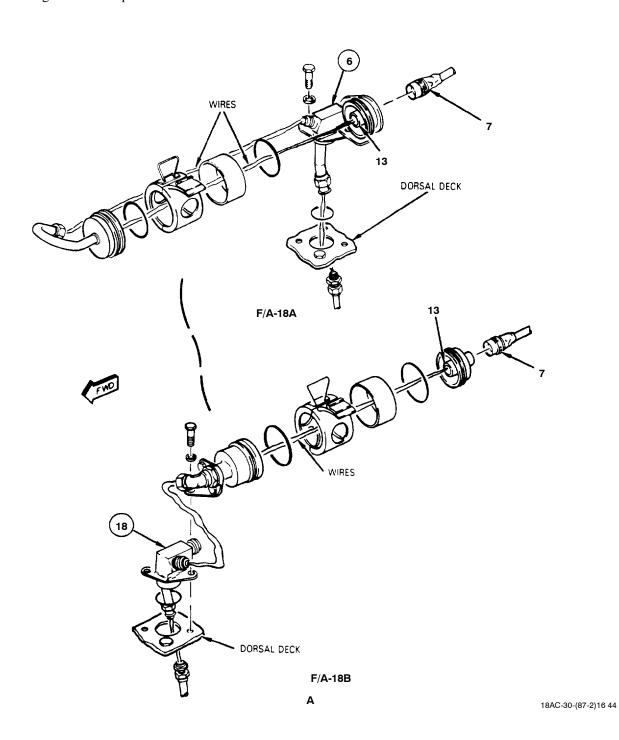


- a. Disconnect connector (7).
- b. Remove wires from connector (13).

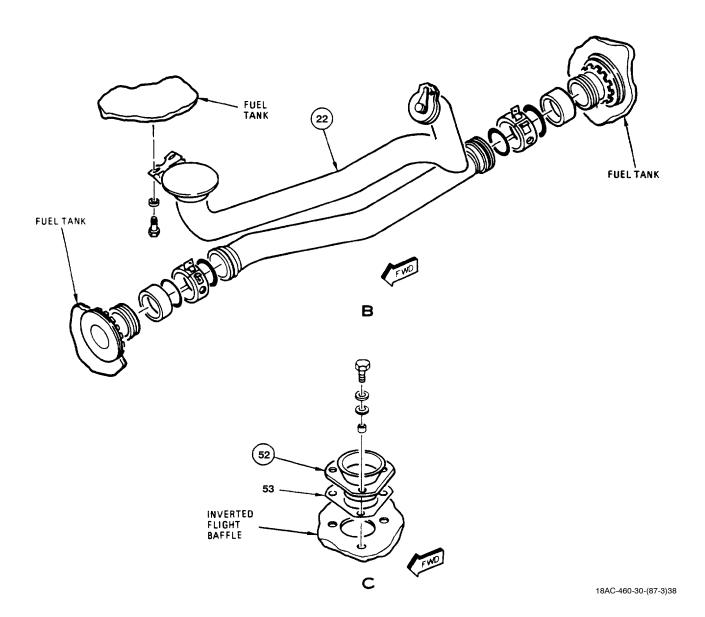


To prevent damage to wires, carefully pull wires through related components.

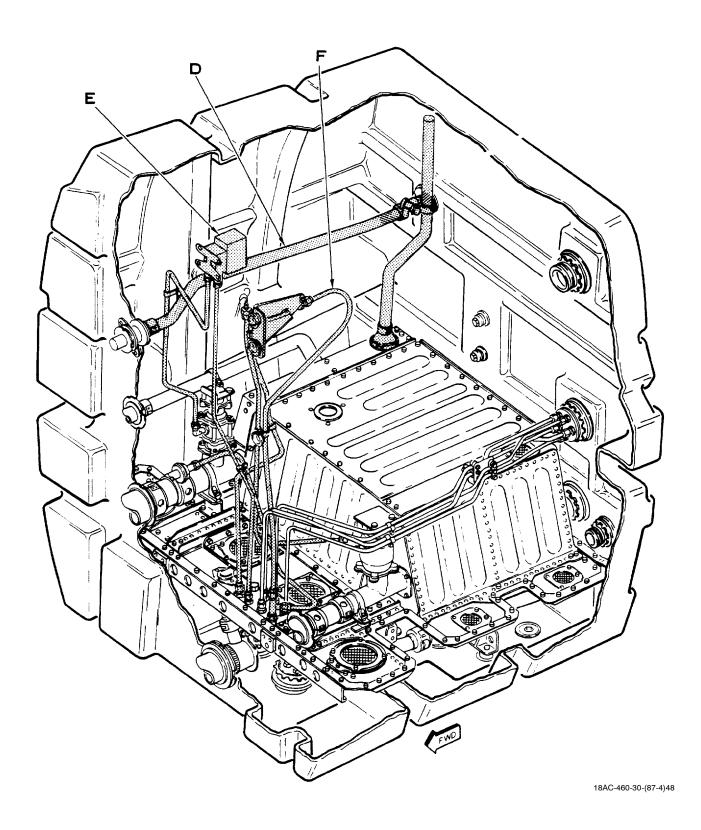
- c. Disconnect and remove elbow (6 or 18) and attaching parts.
 - d. Attach 6 feet of lacing tape to wires.



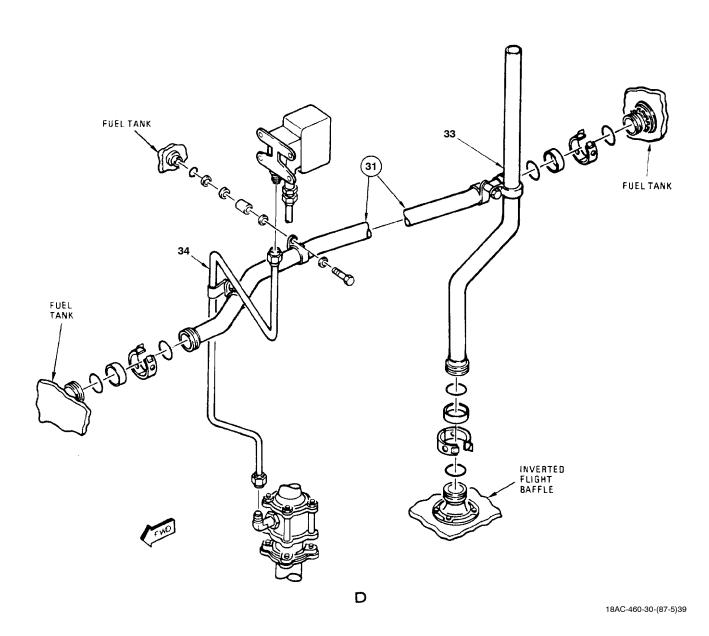
- e. Remove guide (52), gasket (53) and attaching parts.
- f. Remove vent assembly (22) and related parts.



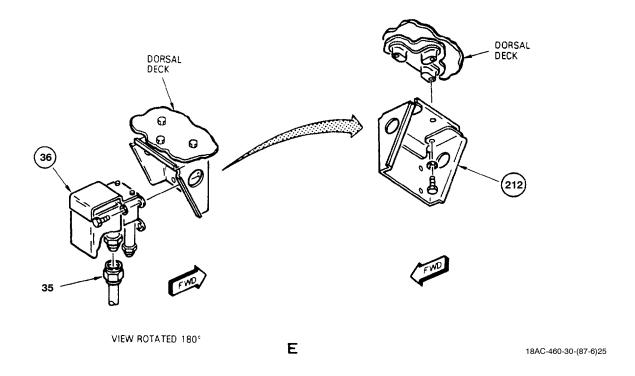
4. SEQUENCE 2.



a. Disconnect tubes (33 and 34) and remove as an assembly with tube (31) and related parts.



b. Disconnect tube (35) and remove valve (36), support (212) and attaching parts.

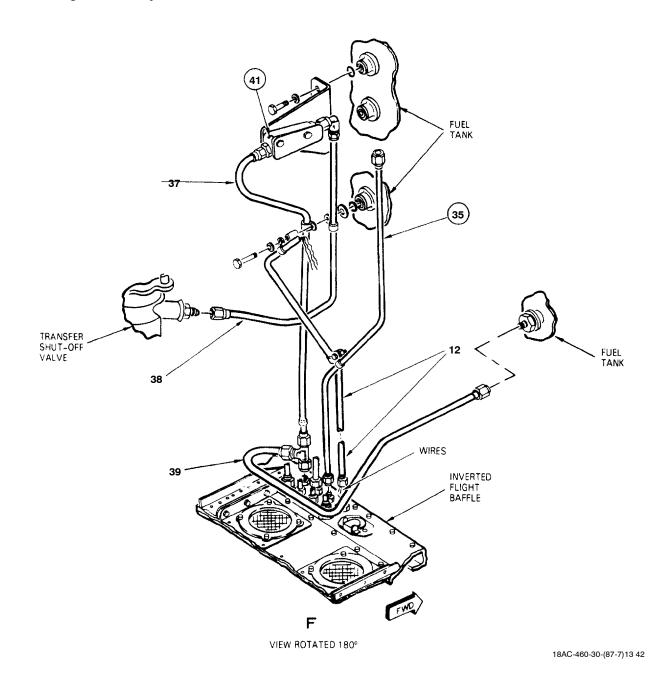


c. Remove sensor (41) with tubes (37, 38 and 39).

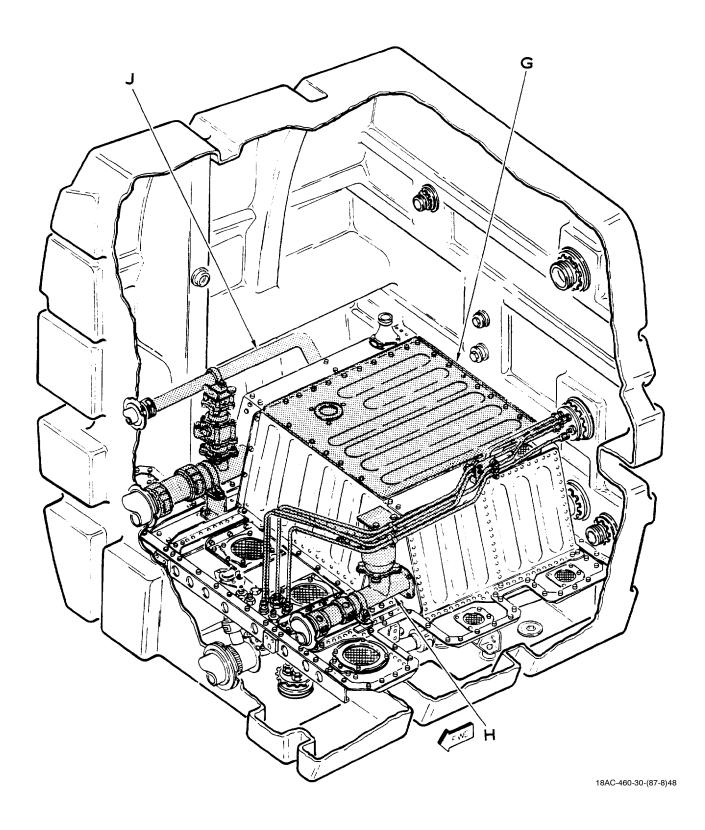
CAUTION

To prevent damage to wires, carefully pull wires through related components.

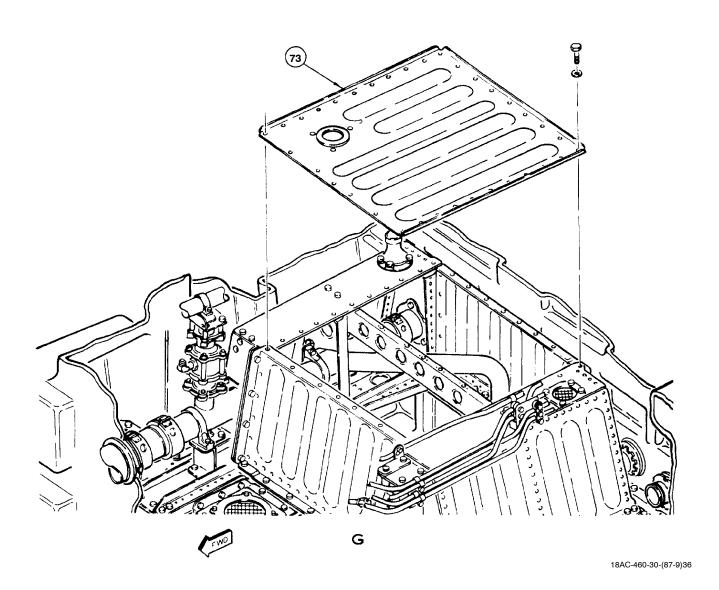
d. Remove tubes (12 and 35). Carefully pull wires through tube (12) lacing tape is visible. Until lacing tape from wires.



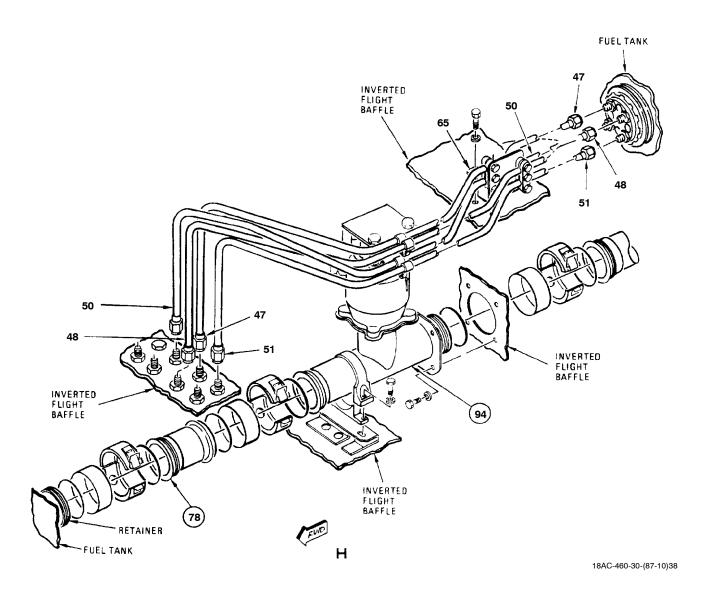
5. **SEQUENCE 3**.



a. Remove cover (73) and attaching parts.

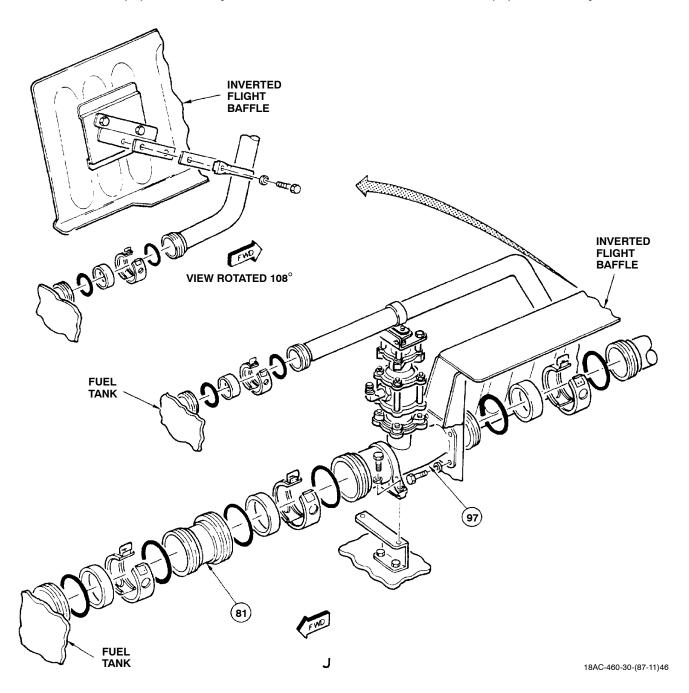


- b. Remove tube (78) and related parts.
- c. Disconnect tubes (47, 48, 50 and 51).
- d. Disconnect bracket (65), then remove tee (94) and related parts.

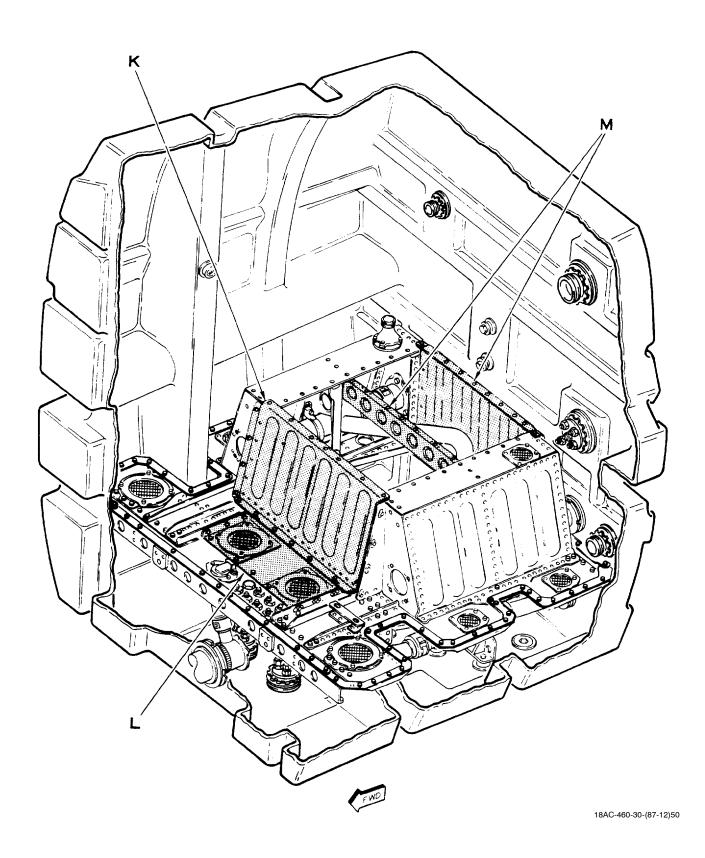


e. Remove tube (81) and related parts.

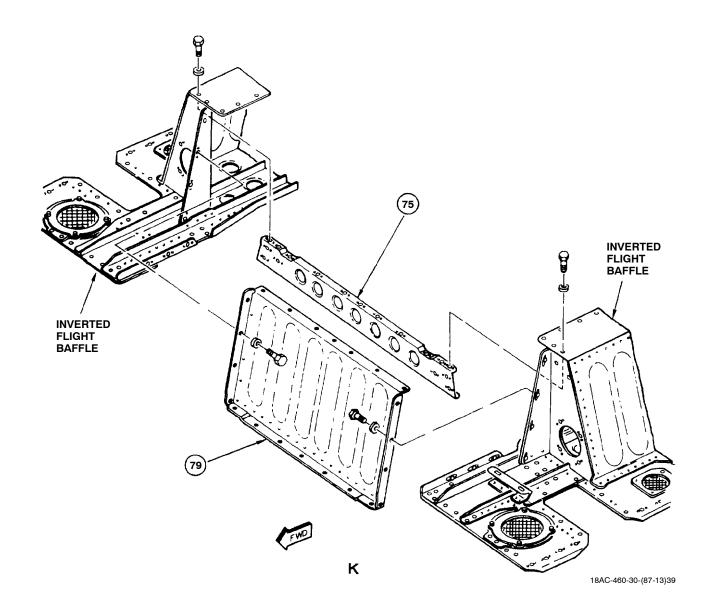
f. Remove reducer (97) and related parts.



6. SEQUENCE 4.



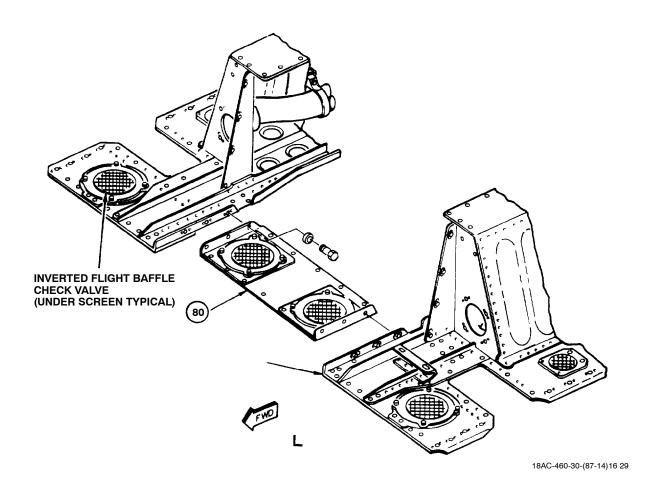
- a. Remove panel (79) and attaching parts.
- b. Remove support (75) and attaching parts.



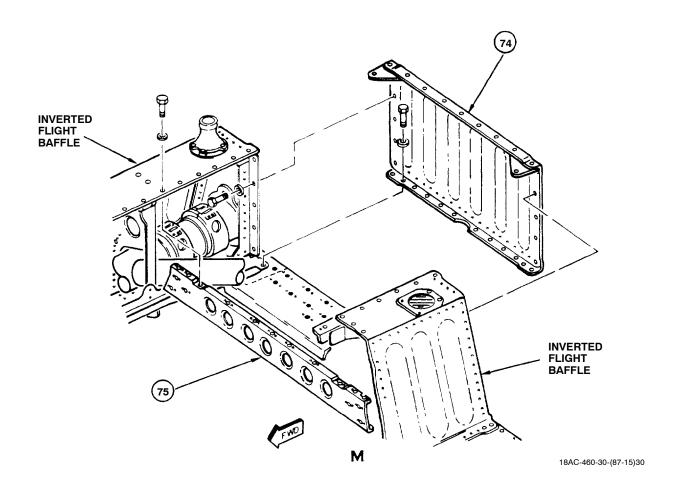


Remove panel carefully to avoid damaging tank and components.

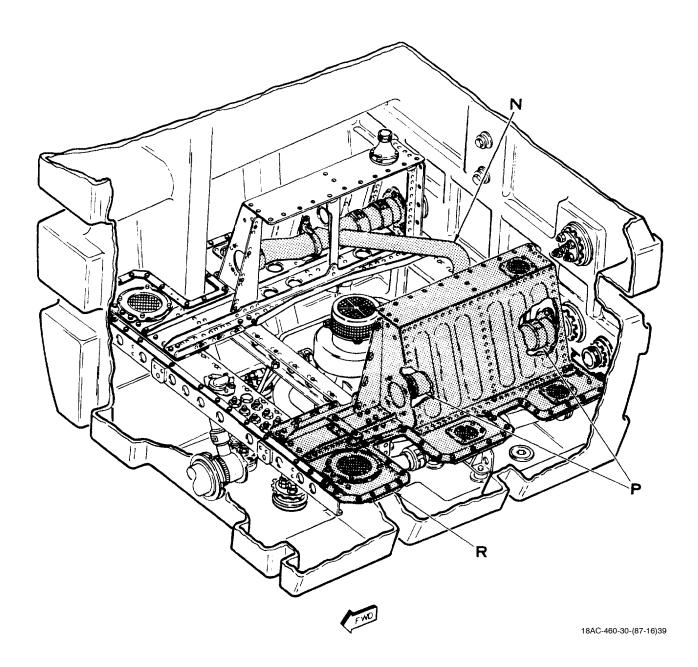
Damage to inverted flight baffle check valves can occur if panel is rested on check valves. Use caution when handling or storing panels. c. Remove panel (80) and attaching parts.



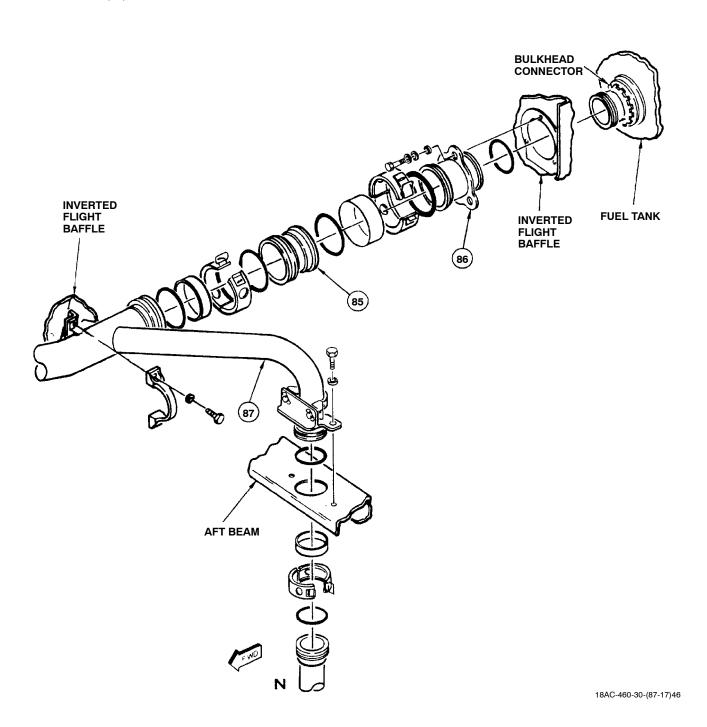
- d. Remove support (75) and attaching parts.
- e. Remove panel (74) and attaching parts.



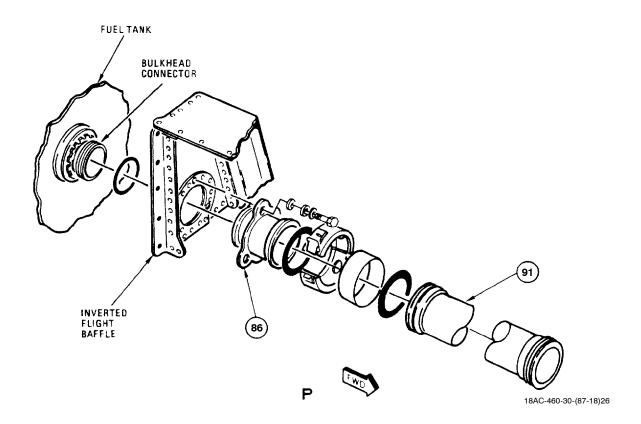
7. **SEQUENCE 5**.



- a. Remove tube (85) and related parts.
- b. Remove connector (86) attaching parts then slide connector (86) off bulkhead connector.
- c. Remove manifold (87) and related parts.



- d. Remove tube (91) and related parts.
- e. Remove connector (86) attaching parts, then slide connector (86) off bulkhead connector.



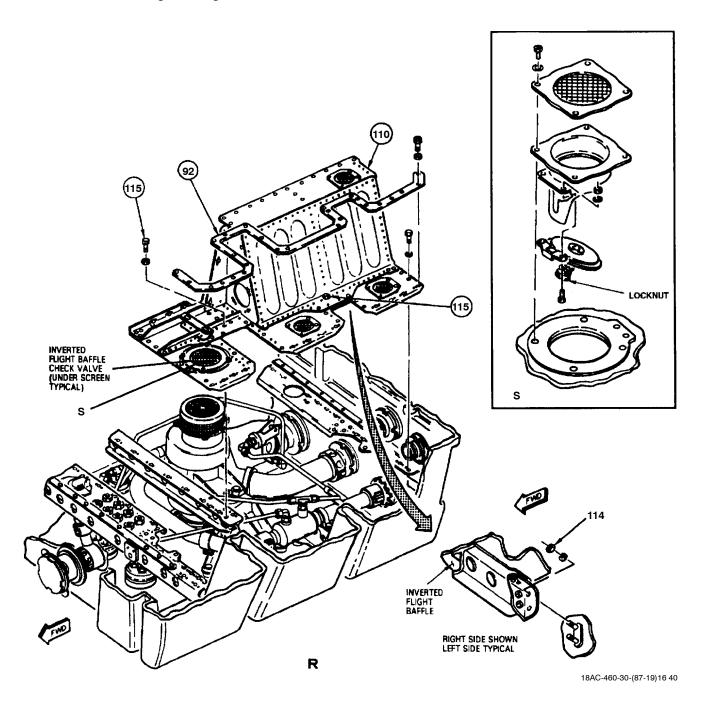
f. Remove retainer (92) and attaching parts.

CAUTION

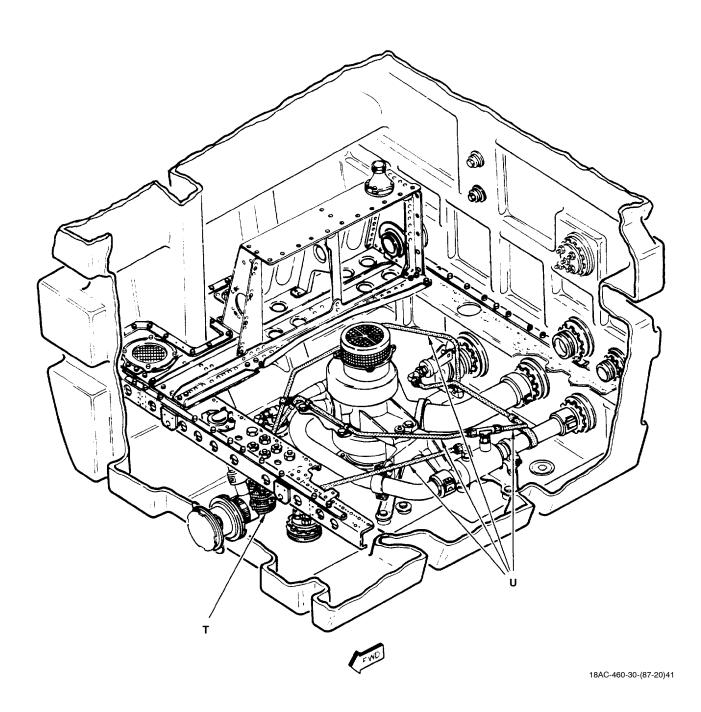
Remove web carefully to avoid damaging tank or components.

Damage to inverted flight baffle check valves can occur if web is rested on check valves. Use caution when handling or storing web.

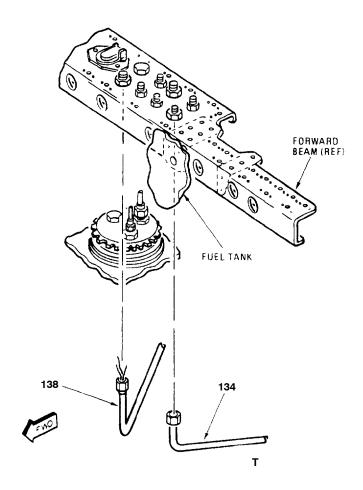
- g. Remove nuts (114) and washers, bolt (115), and carefully remove web (110) and attaching parts.
- h. Inspect inverted flight baffle check valves to make sure locknut on bottom of check valve and all attaching parts are secure. See view S.



8. SEQUENCE 6.



a. Disconnect tubes (134 and 138).



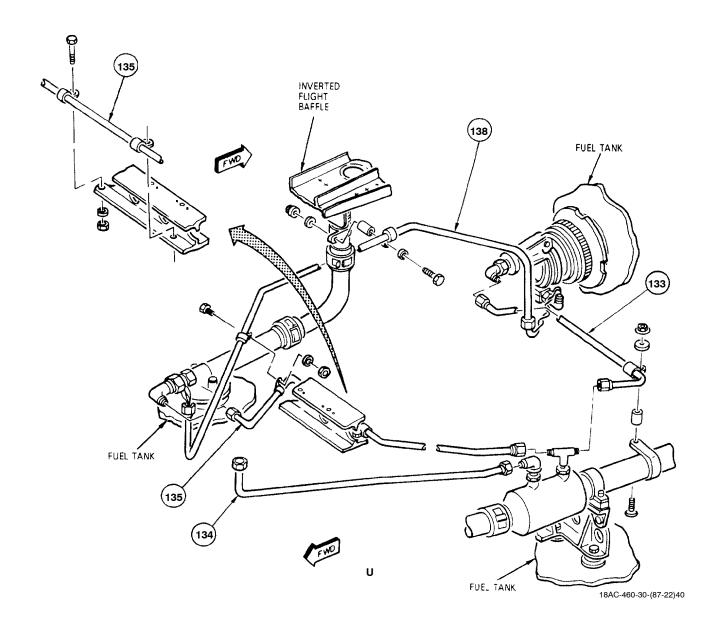
18AC-460-30-(87-21)31

- b. Remove tubes (133, 134, and 135).
- c. Tie 4 feet of lacing tape to wires in tube (138).

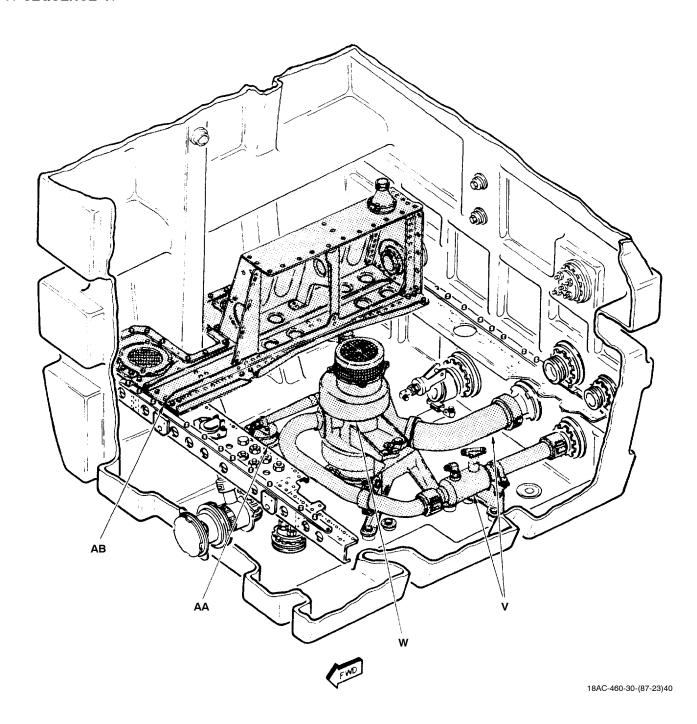
CAUTION

To prevent damage to wires, carefully pull wires through components.

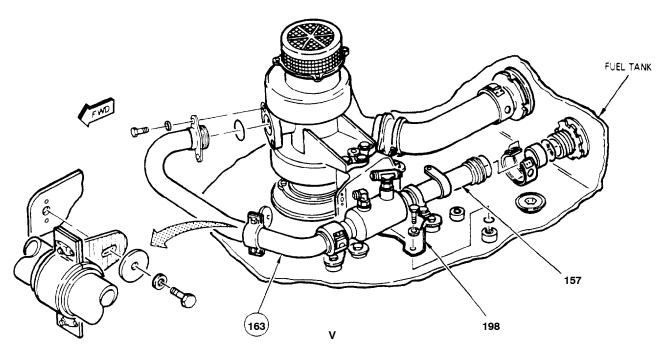
d. Disconnect tube (138) and carefully pull wires through tube (138) until lacing tape is visible. Untie lacing tape from wires and secure to tube (138), then remove tube (138).



9. **SEQUENCE 7**.

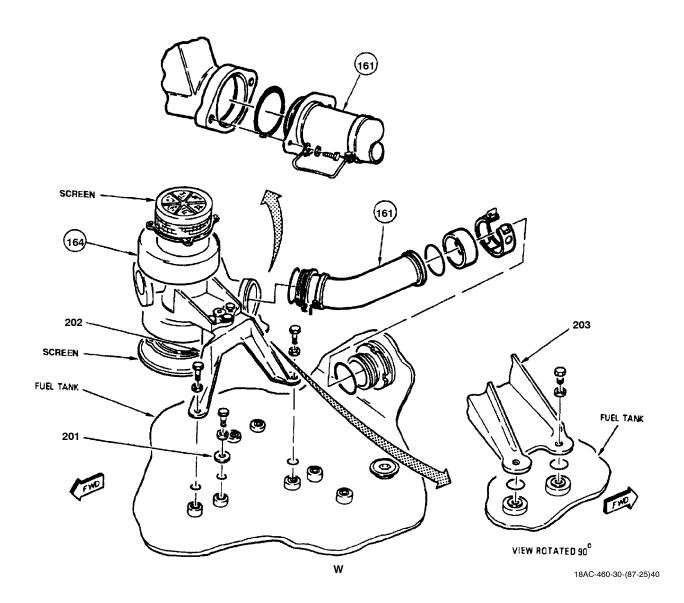


a. Remove wash filter (157) and tube (163) assembly with support (198).

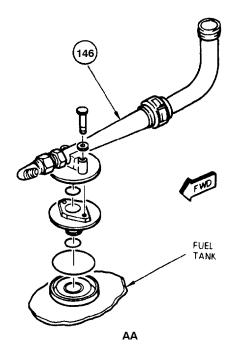


18AC-460-30-(87-24)24

- b. Remove boost pump (164) with brackets (202 c. Remove washer (201) and related parts. and 203), tube (161) and attaching parts.
- (1) Inspect screws on boost pump (164) for damage.



d. Remove ejector (146) and related parts.



18AC-460-30-(87-26)24

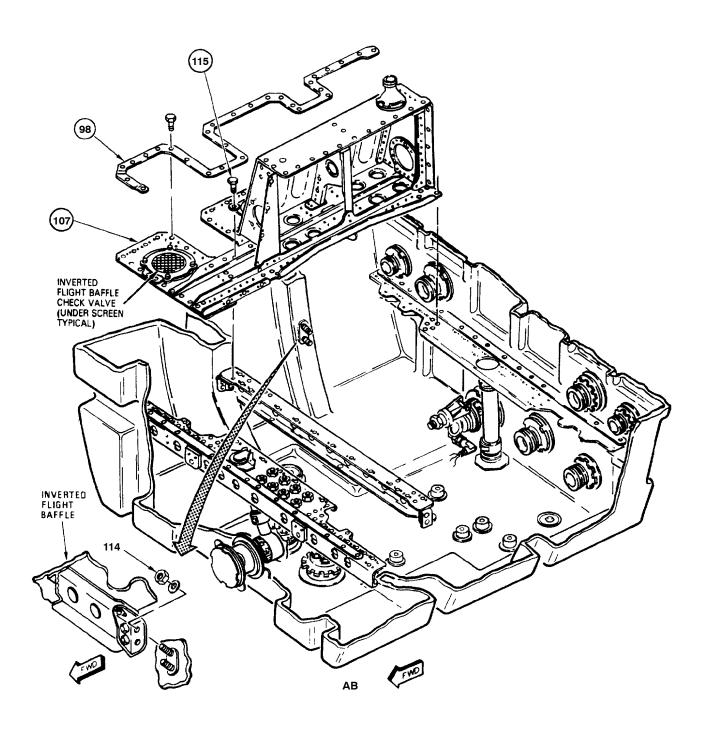
e. Remove retainer (98) and attaching parts.



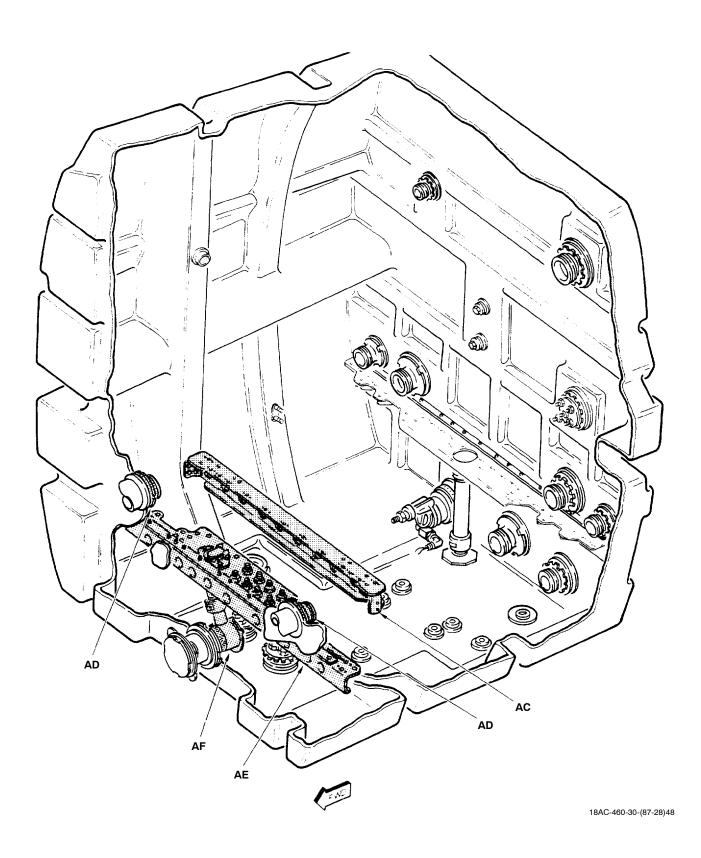
Remove web carefully to avoid damaging tank or components.

Damage to inverted flight baffle check valves can occur if web is rested on check valves. Use caution when handling or storing panel web.

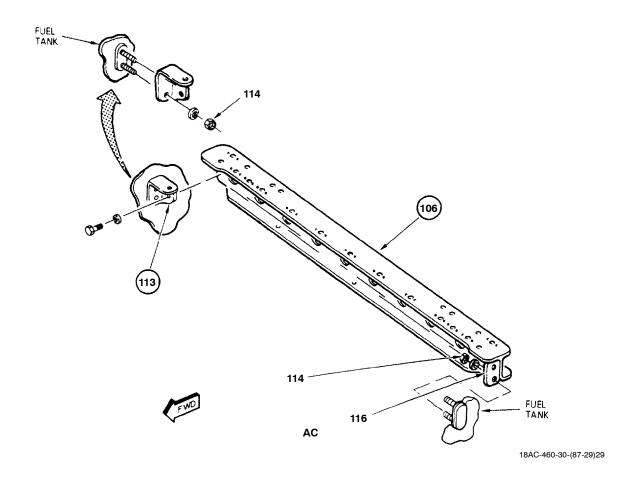
- f. Remove nuts (114) and washers, bolt (115), web (107) and attaching parts.
- g. Inspect inverted flight baffle check valves to make sure locknut on bottom of check valve and all attaching parts are secure. See view S.



10. SEQUENCE 8.



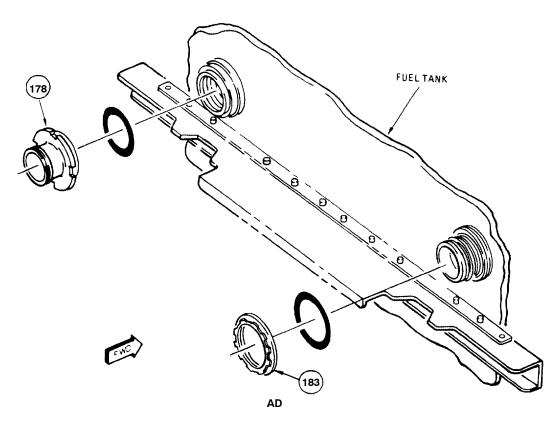
- a. Remove nuts (114) and washers, right bracket (113) and attaching parts.
- b. Remove beam (106) with bracket (116) installed on beam (106).



NOTE

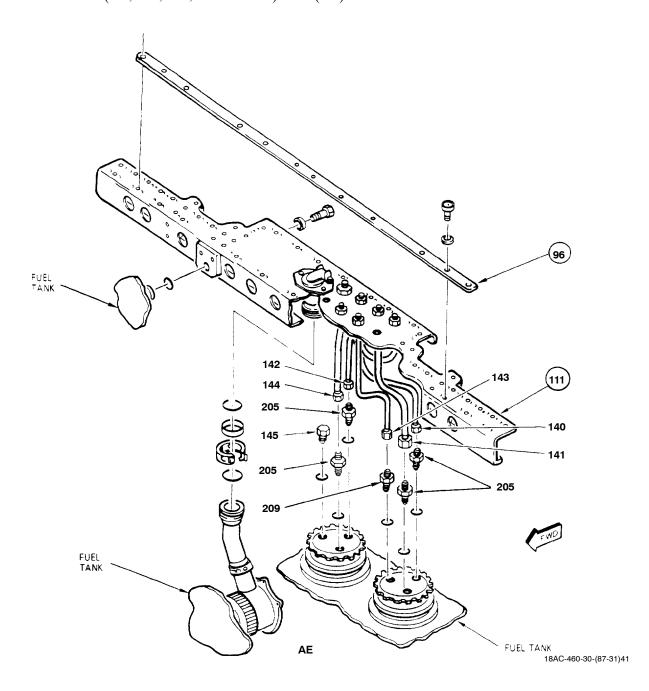
c. Remove retainer (178) and nut (183).

High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead nuts or retainers.

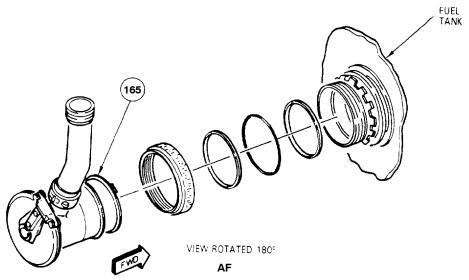


18AC-460-30-(87-30)30

- d. Remove retainer (96) and attaching parts.
- f. Remove beam (111) and attaching parts.
- e. Disconnect tubes (140, 141, 142, 143 and 144).
- g. Remove plug (145), nipples (205) and reducer (209).

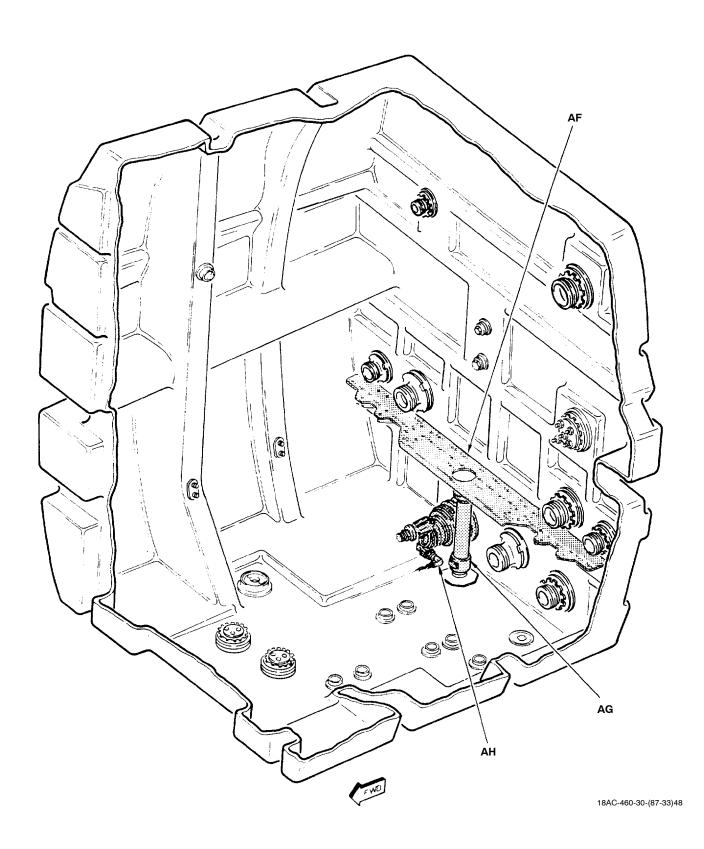


h. Remove valve (165) and related parts.



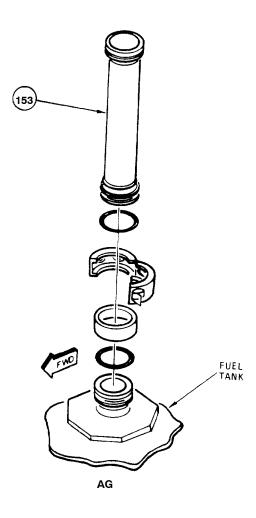
18AC-460-30-(87-32)20

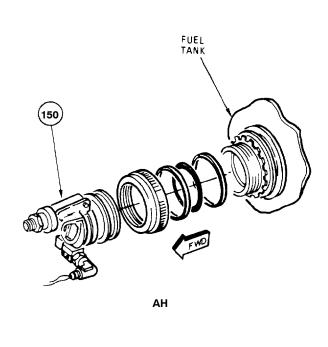
11. SEQUENCE 9.



a. Remove tube (153) and related parts.

b. Remove valve (150) and related parts.





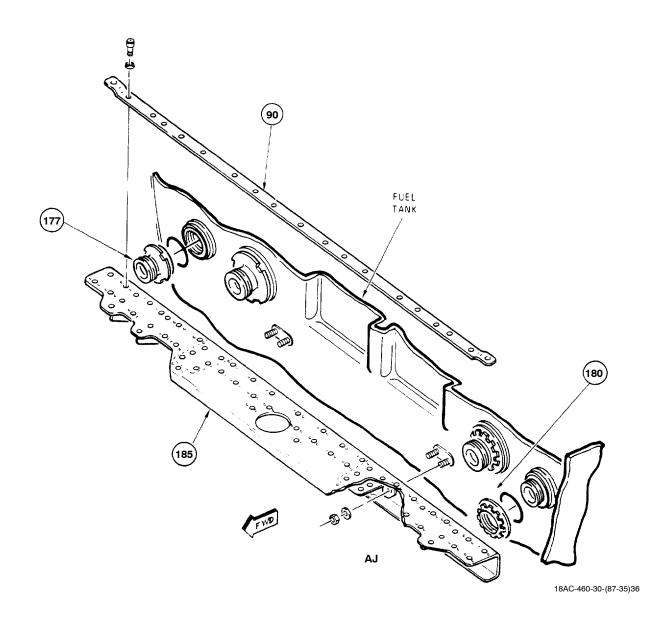
18AC-460-30-(87-34)32

NOTE

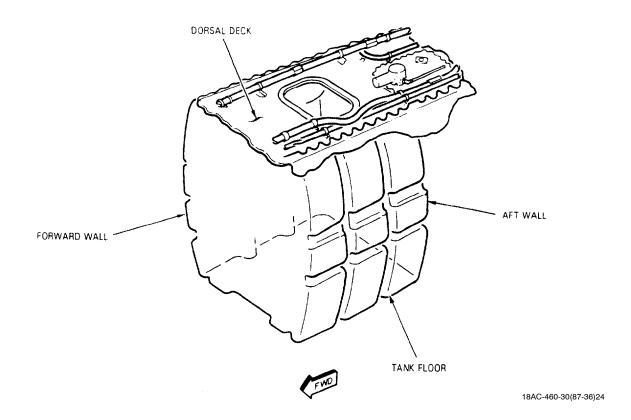
High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers.

c. Remove nuts or retainers (176 and 180).

- d. Remove nut or retainer (90) and attaching parts.
- e. Remove beam (185) and attaching parts.



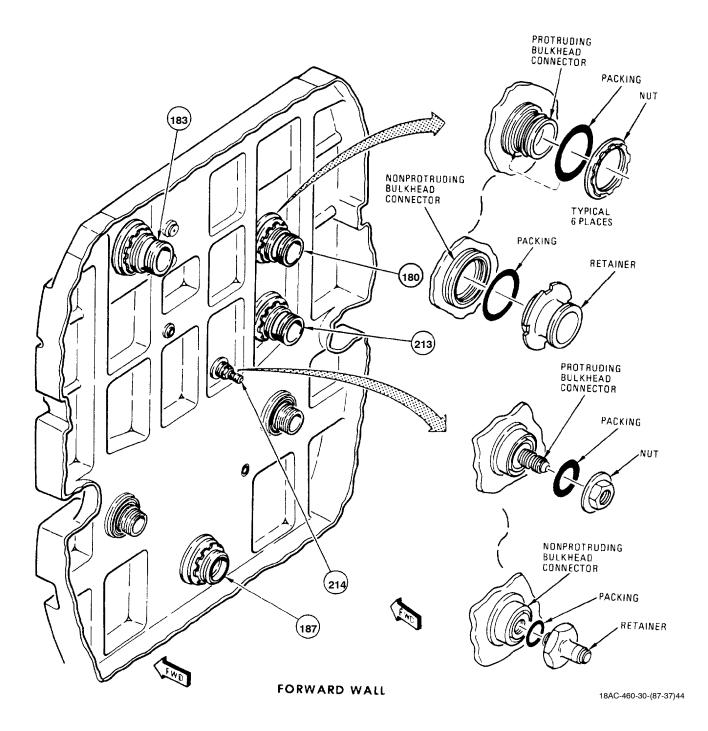
12. **SEQUENCE 10**.



NOTE

High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers.

a. Remove nuts or retainers (180, 183, 187, 213 and 214).

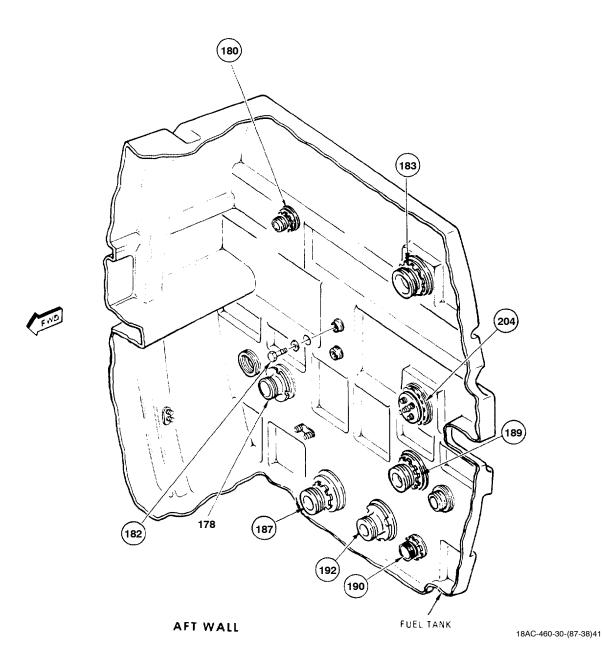


NOTE

High breakaway torque (600 to 1000 inchpounds) can be expected when removing bulkhead retainers.

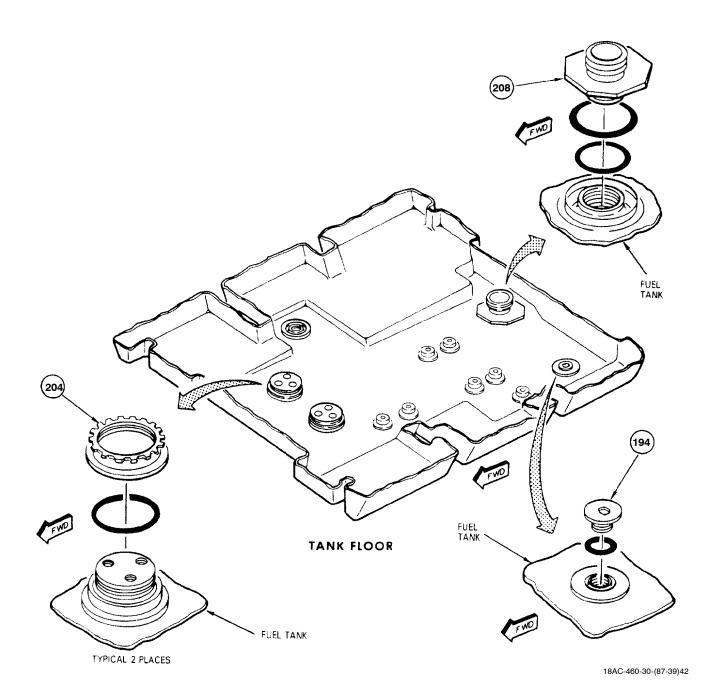
b. Remove nut (204) and nuts or retainers (178, 180, 183, 187, 189, 190 and 192).

c. Remove bolts (182).

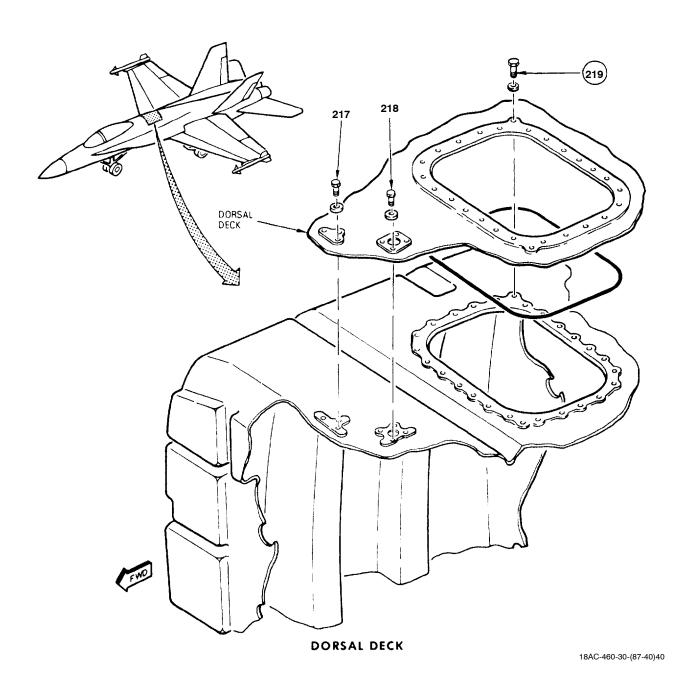


d. Remove retainer (208).

e. Remove nuts (204) and adapter (194).



f. Remove bolts (217, 218 and 219) and attaching parts.



13. **SEQUENCE 11**.

a. Apply pressure sensitive tape to threads of all protruding type bulkhead fittings.

CAUTION

To prevent damage to fuel tank, be careful when cutting lacing cords.

b. Carefully cut all lacing cords.



To prevent damage to fuel tank, fuel tank fittings and cavity bulkhead fittings, do not allow fuel tank fittings to become cocked on cavity bulkhead fittings during removal. Be careful when lowering tank from cavity bulkhead fittings.

To avoid damage to fuel tank fittings do not use pliers when removing tank from bulkhead fittings.

NOTE

Make sure packings are removed before pulling tank off bulkhead fitting.

When removing tank from protruding type bulkhead fitting, remove forward lower left side of tank first.

- c. Working between fuel cavity wall and fuel tank, using fuel cell removal/installation tool set (WP009 01), slide tank off all cavity bulkhead fittings and place cardboard barrier material between tank and bulkhead fittings as required.
 - d. Remove protective pad from tank (WP009 01).
- e. Fold and remove fuel tank (WP021 00). Make sure tank is off all bulkhead fittings.

15. CAVITY INSPECTION. (QA)

a. Observe applicable fuel tank maintenance precautions (WP013 00).

CAUTION

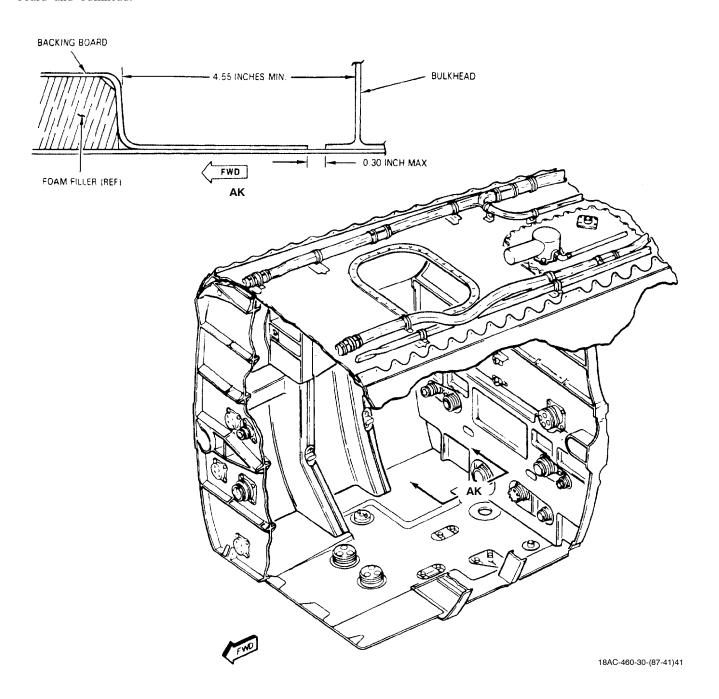
Failure to do the steps below may result in damage to fuel tank.

- b. Clean and inspect all fittings of:
 - (1) dirt
 - (2) paint
 - (3) grease
 - (4) corrosion
- (5) foreign material that would prevent a correct seal
- c. Inspect for and repair/replace fittings (WP038 00) and, if applicable, retainers (WP038 01) with:
 - (1) cracks
 - (2) scratches
 - (3) nicks
 - (4) distortion
 - (5) damaged threads
- (6) damage that would cause mismatching, or prevent a correct seal
- d. Inspect for and replace (WP021 01) all foam that is:
 - (1) loose
 - (2) damaged
 - (3) fuel soaked
 - (4) missing

- e. Inspect for and replace (WP039 00), all pressure sensitive tape that is damaged, loose, missing or does not cover:
 - (1) rivet collars
 - (2) nuts
 - (3) bolts
 - (4) bucked head of rivets
- (5) lap joints with a thickness of 0.126 inch or more
 - (6) sharp edges that could chafe tank
- f. Inspect for and replace (WP035 01) backing boards that are:
 - (1) damaged

- (2) fuel soaked
- g. Inspect for and replace (WP036 01) thermal insulation blankets that are:
 - (1) damaged
 - (2) loose
 - (3) fuel soaked
 - h. Inspect complete cavity for:
- (1) burrs, metal edges or protrusions not covered with pressure sensitive tape or foam, which could cause damage to fuel cell
 - (2) loose, missing or damaged lacing clips
 - (3) cleanliness
 - (4) corrosion

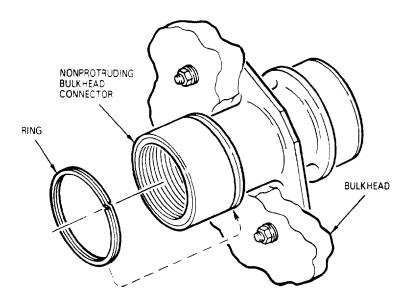
i. Inspect for proper dimensions between backing board and bulkhead.



NOTE

Bulkhead connectors have ring on one side only, opposite side has fixed flange.

j. Inspect applicable bulkhead connectors and replace (WP041 00) missing or damaged rings.



18AC-460-30-(87-42)23

1 May 2001 Page 1/(2 blank)

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

INSTALLATION - NO. 2 FUEL TANK (5CAP509)

FUEL STORAGE SYSTEM

Title	WP Number
Installation - No. 2 Fuel Tank - 161353 THRU 161715 BEFORE F/A-18	
AFC 18 AND F/A-18 AFC 53	019 01
Installation - No. 2 Fuel Tank - 161716 AND UP	019 02
Installation - No. 2 Fuel Tank - 161353 THRU 161715 AFTER F/A-18	
AFC 18 AND F/A-18 AFC 53	019 03

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

INSTALLATION - NO. 2 FUEL TANK (5CAP509)

FUEL STORAGE SYSTEM

EFFECTIVITY: 161353 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

Reference Material

Fuel System	A1-F18AC-460-300
No. 2 Fuel Tank Inspection and Folding	WP021 00
IPB - No. 2 Fuel Tank	WP020 01
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
No. 2 Fuel Tank Access Cover	WP005 00
No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports	WP041 00
Fuel System	
Internal Fuel Transfer and Engine Fuel Supply System Test	WP012 00
Line Maintenance Procedures	A1-F18AC-LMM-000
Alphabetical Index	

Subject	Page No
General	2
Installation	3
Materials Required	2
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings with Improved M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-

Support Equipment Required

Part Number or Type Designation Nomenclature Torque Wrench, 0 to 50 **Inch-Pounds** Torque Wrench, 0 to 120 Inch-Pounds 74D460102-1001 Fuel Tank Bulkhead Nut Adapter Set Fuel Tank Bulkhead 152016-1 Adapter (Retainer) Socket Wrench Set 74D460019-1001 and Fuel Cell Removal/ 74D460029-1001 **Installation Tool Set** 57A43 Electric, General Purpose, **Explosion Proof Lantern**

Materials Required

Specification or Part Number	Nomenclature
MS20995NC32 (CAGE 96906)	Lockwire
VV-P-236 (CAGE 81348)	Petrolatum, Technical
74K580002-1003	Preformed Packing Assortment
474 (CAGE 76381)	Tape, Pressure Sensitive
MIL-C-5040, Type 3 (CAGE 81349)	Cord, Fibrous

1. GENERAL.

For complete parts list, see No. 2 fuel tank parts list (WP020 01).

NOTE

Index numbers used to tag components during removal are circled on artwork of procedure to aid in reassembly.

a. Do or observe applicable fuel tank maintenance precautions (WP013 00).

WARNING

If nonprotruding bulkhead connector retaining rings are damaged or missing, fuel leaks and fire hazard can occur.

NOTE

Nonprotruding bulkhead connectors have a retaining ring on one side only, opposite side has fixed flange.

- b. Inspect applicable nonprotruding bulkhead connectors and replace (WP041 00) missing or damaged retaining rings.
- c. Apply pressure sensitive tape to all protruding type cavity fittings.

NOTE

Tie start knot of all lacing cords at first cavity support fitting before installing fuel tank to ease lacing procedure.

d. Fold and insert tank (WP021 00).

e. After positioning tank in cavity, remove pressure sensitive tape from cavity fittings.





Technical Petrolatum, VV-P-236

1

- f. Lubricate new packings with petrolatum before installation.
 - g. For alignment of tubes refer to WP013 00.

WARNING

Make sure improved couplings (W901K, W904K, 14J12, or 14C12) are installed where flagnoted on procedure to maintain aircraft safety in flight.

- h. Install improved couplings (W901K, W904K, 14J12 or 14C12) where flagnoted on procedure. (QA)
- i. When a sequence is completed inspect applicable tasks listed below for compliance: (QA)

- (1) Specific torque callouts.
- (2) Items safetied with lockwire.
- (3) Foreign objects removed.
- (4) Coupling condition and security.
- (5) Tube/line condition and security, and torque if printed on tube/line.
 - (6) Fuel tank (bladder) condition.

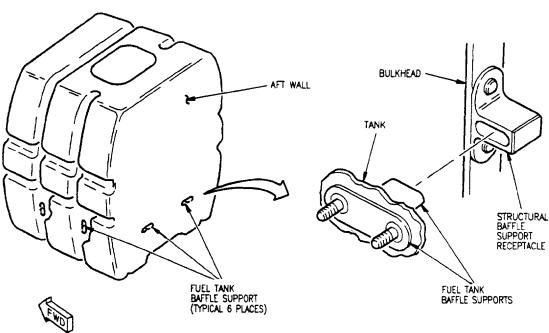
2. INSTALLATION.

3. SEQUENCE 1.



To prevent damage to fuel tank, make sure fuel tank baffle supports are installed in baffle support receptacles.

a. Make sure fuel tank baffle supports are installed in baffle support receptacles (two on aft tank wall and two each on left and right side of tank).

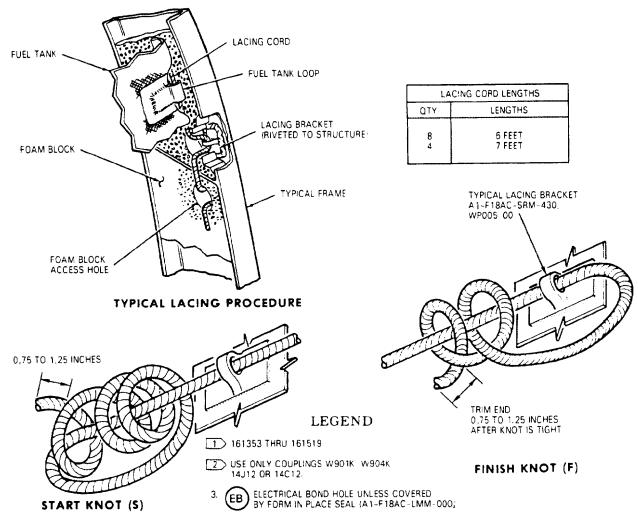


CAUTION

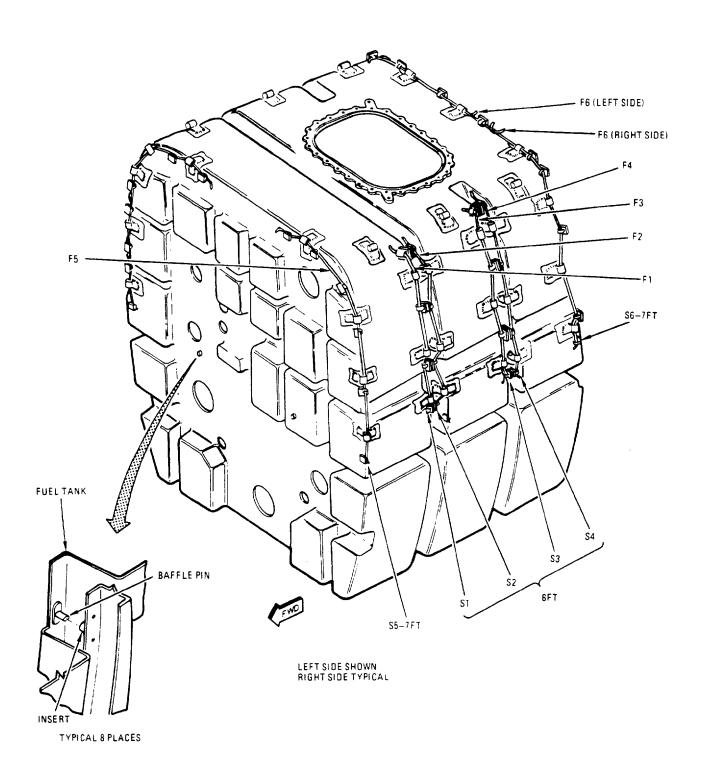
To prevent damage to fuel tank be careful when trimming lacing cords.

- b. Cut lacing cords per chart below and prepare lacing cord ends per WP013 00.
- c. Install lacing cords following sequence numbers shown on the following page.

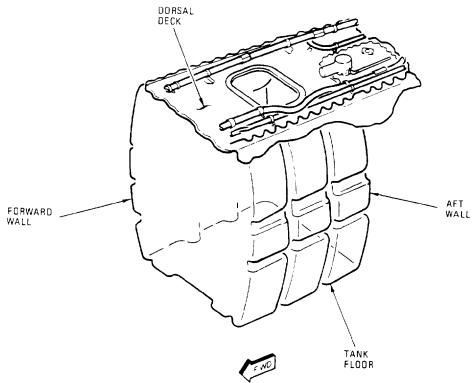
- d. Always pull cord completely through support fitting and fuel tank loop before starting into next fitting or loop.
- e. Lace left side of tank the same as right side, alternating from one side to the other.
- f. Limit lacing cord length to 0.75 to 1.25 inches past knot.



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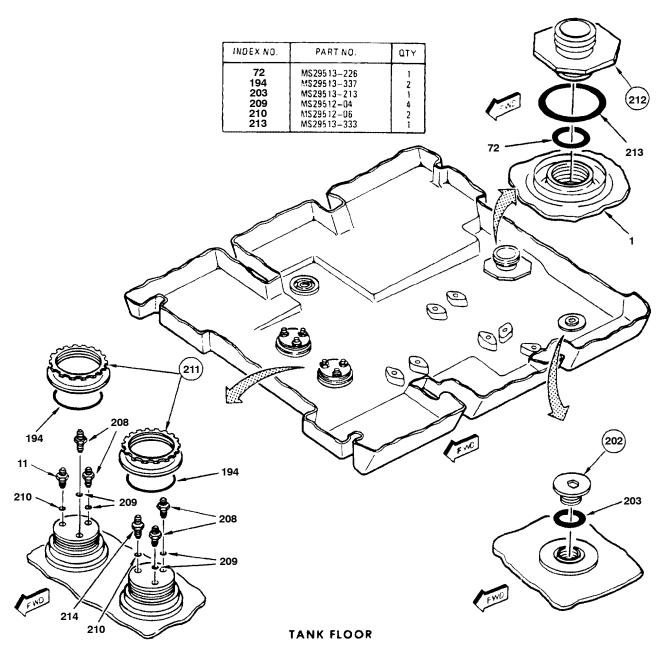


4. SEQUENCE 2.



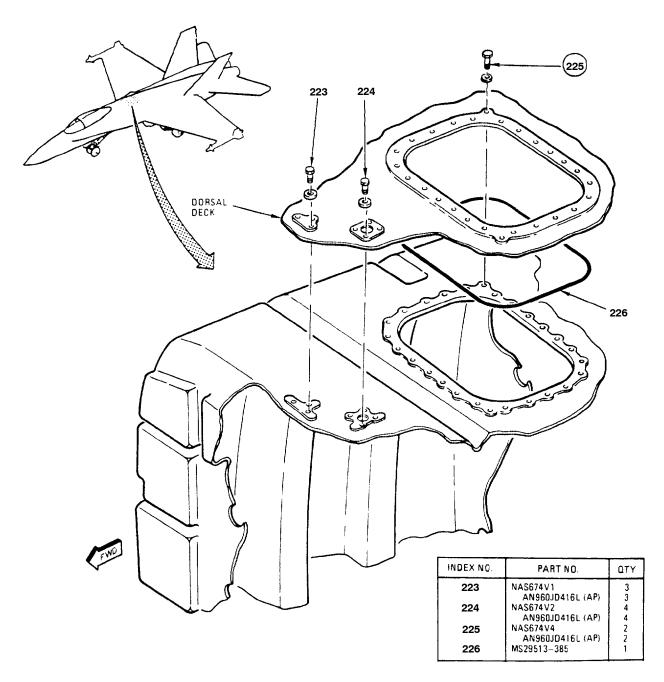
18AC-460-30-(39-3)25

- a. Install packings (194) and nut (211) and verify running and final torque per WP013 00. (QA)
 - b. Install packing (203) and adapter (202).
- c. Install packings (213 and 72) and retainer (212).
- d. Install packings (209 and 210), nipples (11 and 208) and reducer (214).



18AC-460-30-(39-4)41

- e. Prepare mating surfaces of bolts (225) and dorsal deck for electrical bond (A1-F18AC-LMM-000).
- f. Install bolts (223, 224 and 225), washers and packing (226).

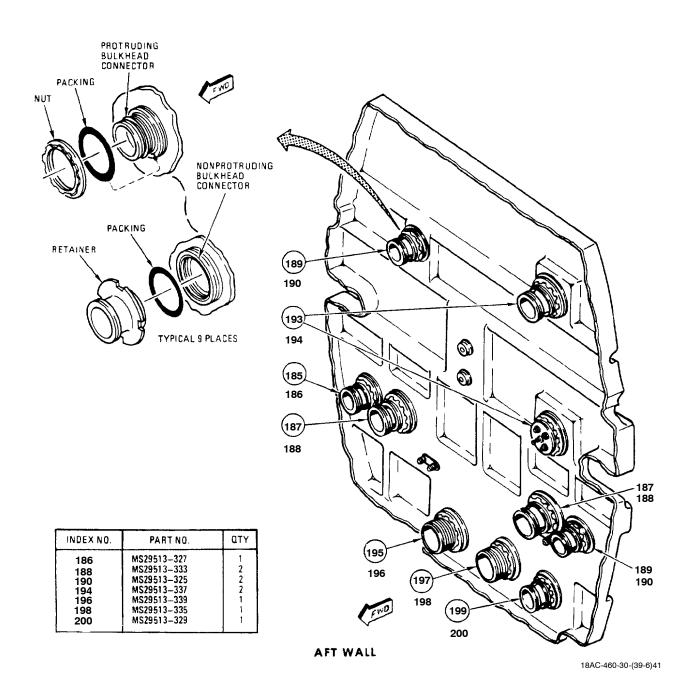


DORSAL DECK

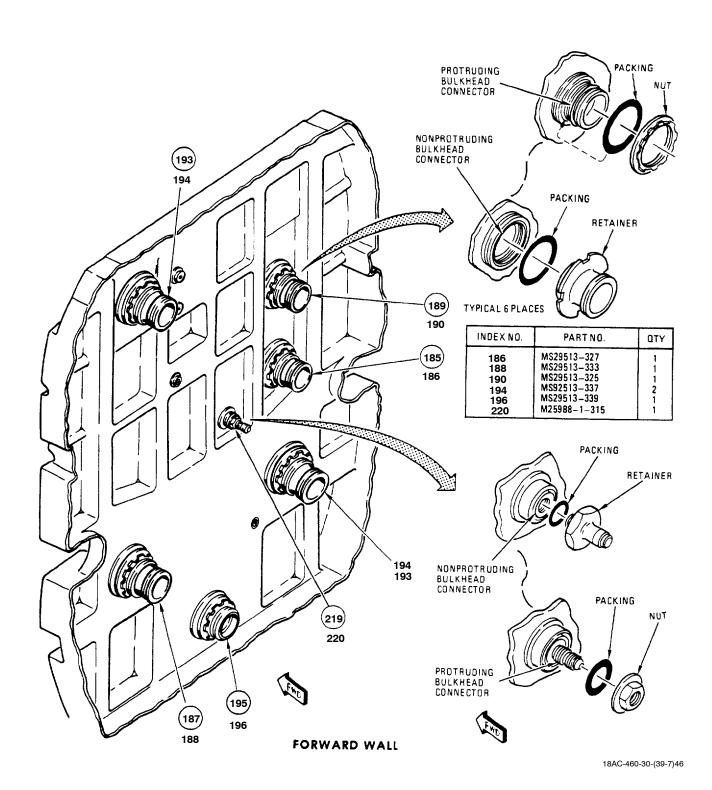
18AC-460-30-(39-5)44

g. Install packings (186, 188, 190, 194, 196, 198 and 200).

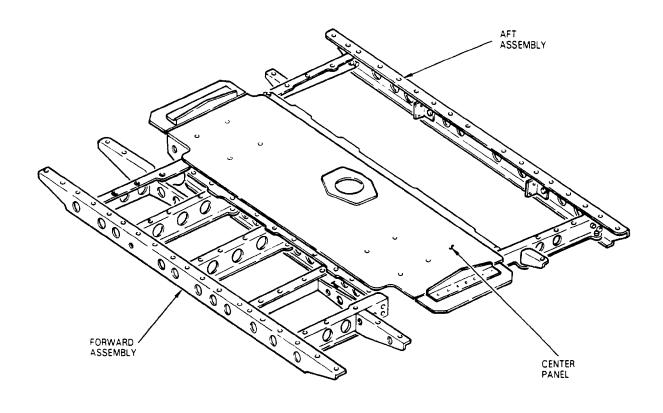
h. Install nuts or retainers (186, 187, 189, 193, 195, 197 and 199) and verify running torque and final torque (WP013 00). (QA)



- i. Install packings (186, 188, 190, 194, 196 and 220).
- j. Install nut or retainers (185, 187, 189, 193, 195 and 219) and verify running torque and final torque (WP013 00). (QA)



5. **SEQUENCE 3**.



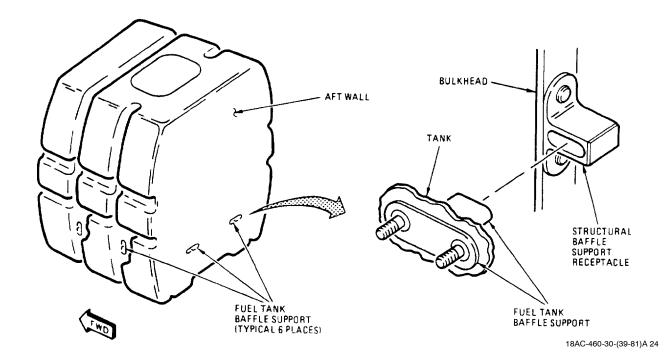


18AC-460-30-(39-8)27

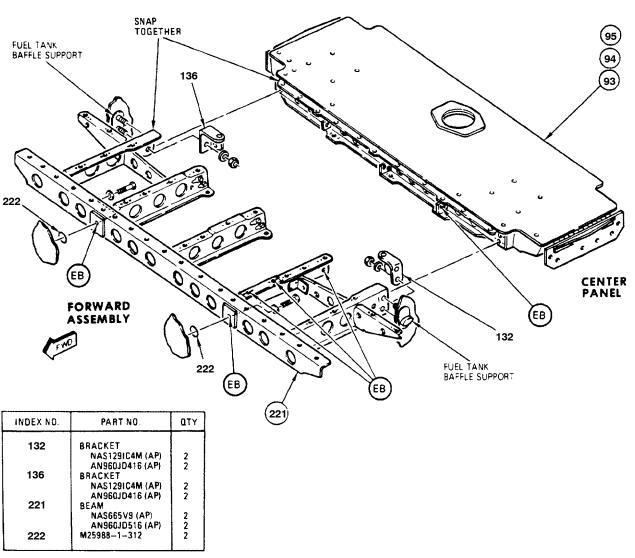


To prevent damage to fuel tank, make sure fuel tank baffle supports are installed in baffle support receptacles.

a. Make sure fuel tank baffle supports are installed in baffle support receptacles (two on aft tank wall and two each on left and right side of tank) before installing baffle structure around periphery of tank.



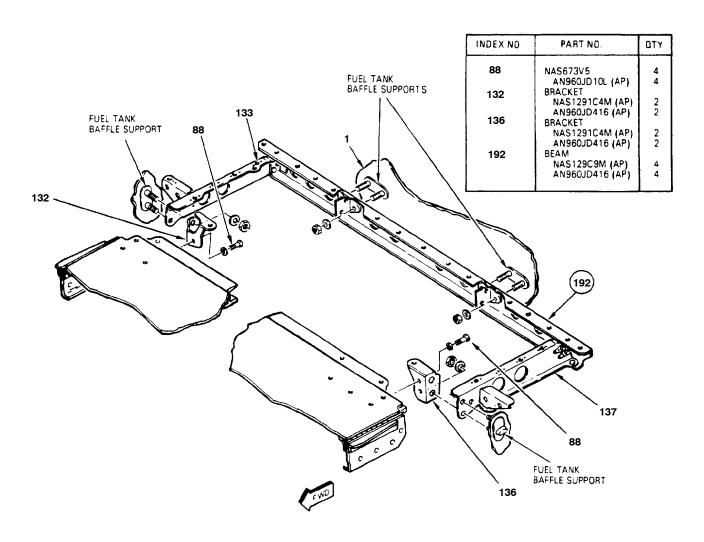
- b. When installing a hinged center panel, position beam (221) and hinged center panel (93 or 94), in folded position, in fuel tank and snap into place.
- c. When installing center panel (95) with no hinge, position beam (221) and center panel (95) in fuel tank and snap into place.
- d. Install packing (222).
- e. Install attaching parts to beam (221). Seal beam (221) bolt threads per WP013 00. (QA)
- f. Loosely install brackets (132 and 136) and attaching parts.



18AC-460-30-(39-9)C 36

g. Install beam (192) with supports (133 and 137) and attaching parts. Torque beam (192) nuts 50 to 60 inch-pounds. (QA)

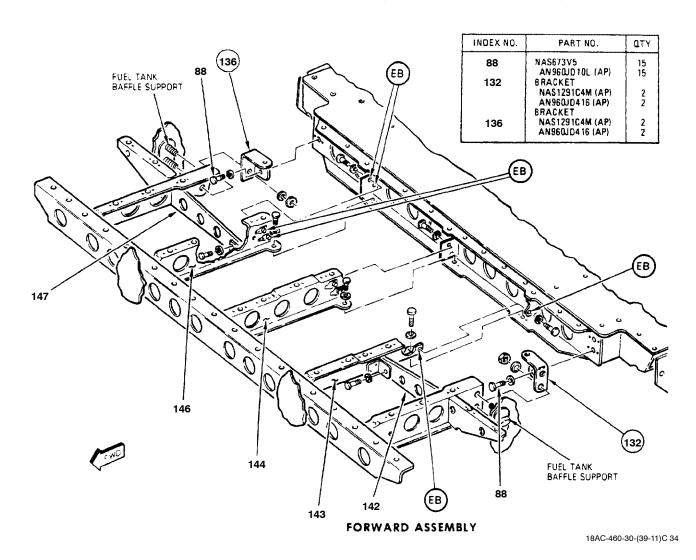
h. Install brackets (132 and 136), bolts (88) and attaching parts. Torque bracket (132) and (136) nuts 50 to 60 inch-pounds. (QA)



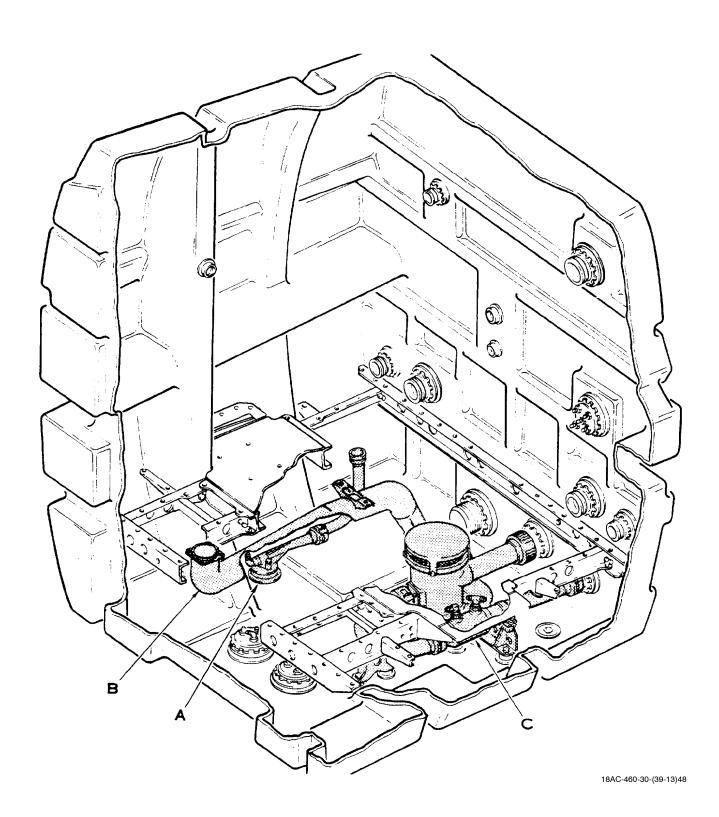
AFT ASSEMBLY

18AC-460-30-(39-10)A 37

- i. Connect supports (142, 143, 144, 146 and 147), install bolts (88) and washers.
- j. Tighten bracket (132 and 136) attaching parts after installing bolts (88). Torque bracket (132 and 136) nuts 50 to 60 inch-pounds. (QA)

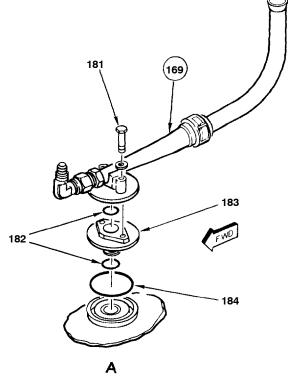


6. SEQUENCE 4.



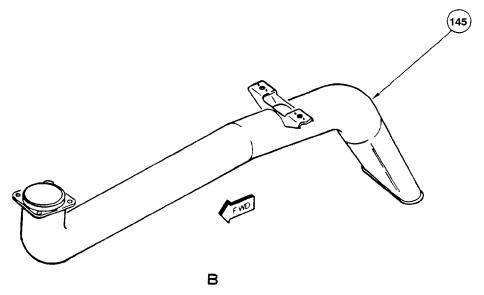
a. Install packings (182 and 184), spacer (183), ejector (169), bolts (181) and washers. Seal bolt (181) threads per WP013 00. (QA)

INDEX NO.	PART NO.	YTØ
181	NAS673V32	2
182	AN960JD10 (AP) MS29513-015	2 2
184	MS29513-329	1 1



18AC-460-30-(39-14)26

b. Position tube (145) below baffle, do not install at this time.



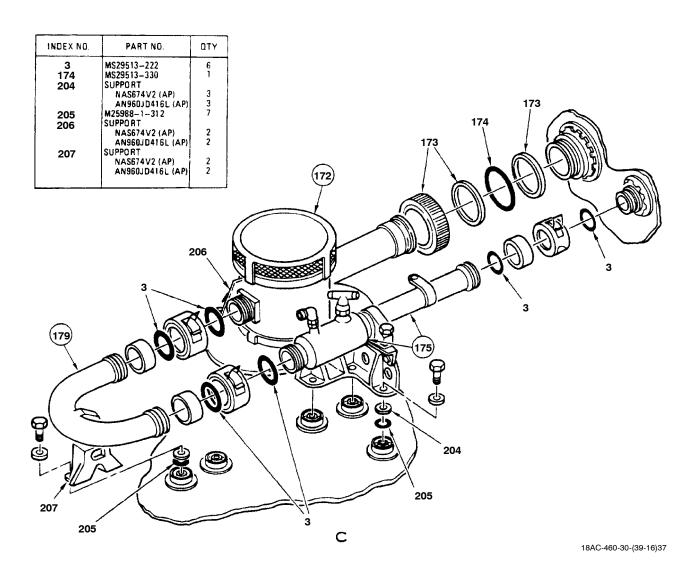
18AC-460-30-(39-15)20

WARNING

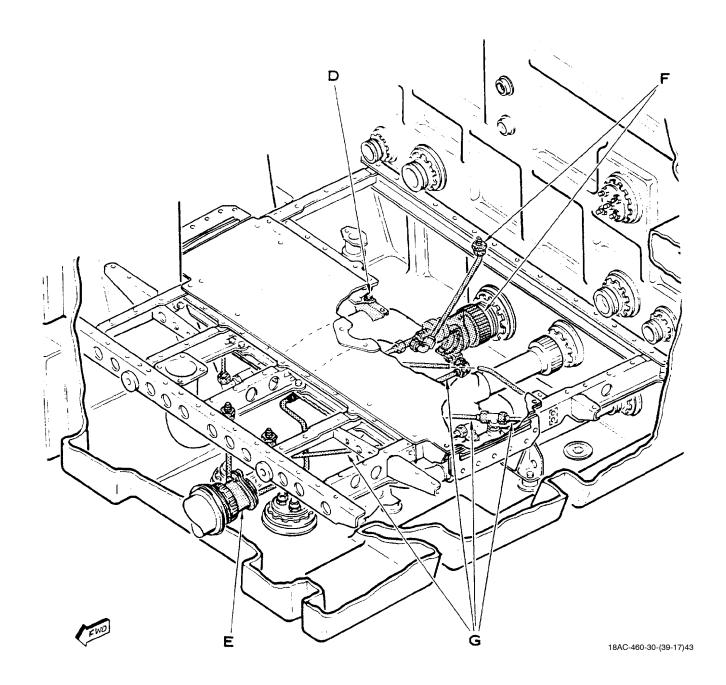
To prevent a fuel system malfunction, shuttle inside ejector must move freely from top to bottom.

c. Turn ejector (172) upside down, then right side up and make sure shuttle inside ejector moves freely from top to bottom. (QA)

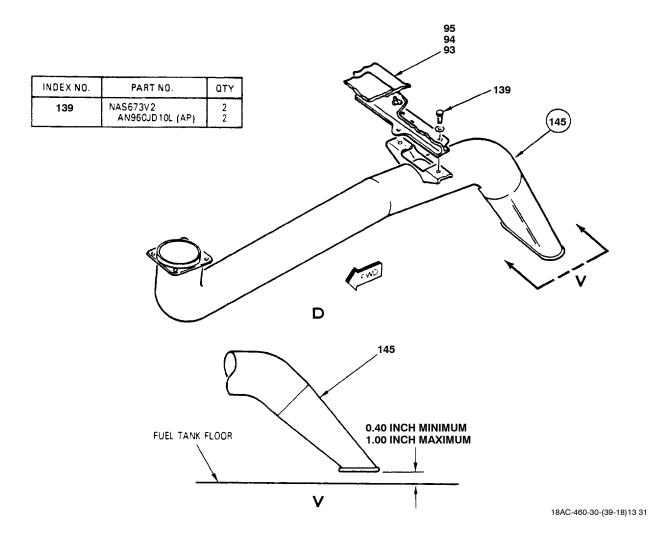
- d. Prepare mating surfaces of supports (204, 206 and 207) and ejector (172) for electrical bond (A1-F18AC-LMM-000).
- e. Install packings (3, 174 and 205), wash filter (175), ejector (172) and attaching parts. Tighten nut (173) handtight. Seal support (204 and 206) bolt threads per WP013 00. (QA)
- f. Install packings (3) and tube (179) with related parts. Seal support (207) bolts threads per WP013 00. (QA)



7. **SEQUENCE 5**.



- a. Prepare mating surfaces of tube (145) and center panel (93, 94 or 95) for electrical bond (A1-F18AC-LMM-000).
 - b. Install tube (145), bolts (139) and washers.
- c. While pressing down on fuel tank floor, check tube (145) for minimum clearance (view V). (QA) If tube (145) does not meet minimum clearance, use 74A586239-1007NRI tube.

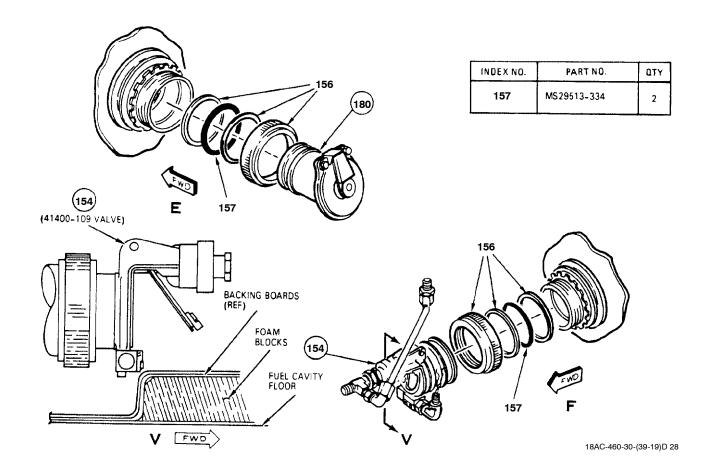


NOTE

Record part number of valve (154).

d. Install packings (157) and valve (154 and 180). Tighten nut assemblies (156) handtight.

- (1) If a 41400-109 valve (154) was installed inspect per substeps below:
- (a) Inspect valve (154) for cont act fuel tank (view V).
- (b) If 41400-109 valve contacts fuel tank, replace with 41400-111 valve.



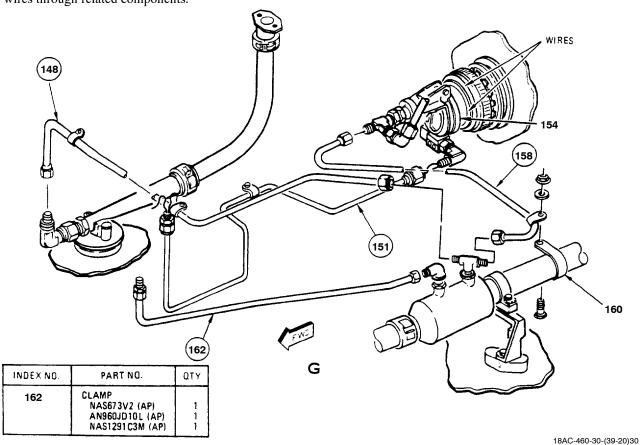
e. Install tubes (148, 158 and 162) and attaching parts.

f. Tie wires from valve (154) to Lacing tape in tube (151) and carefully pull wires through tube.

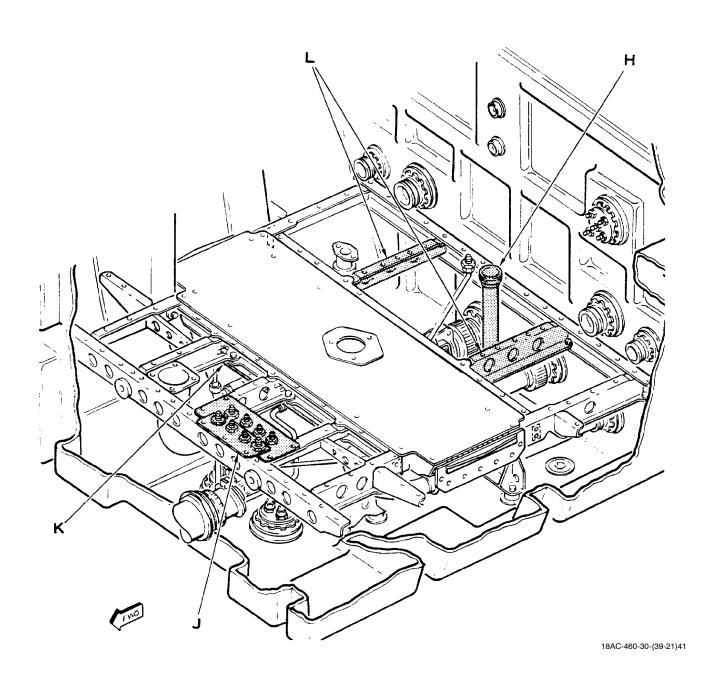
g. Connect tube (151).

CAUTION

To prevent damage to wires, carefully slide wires through related components.

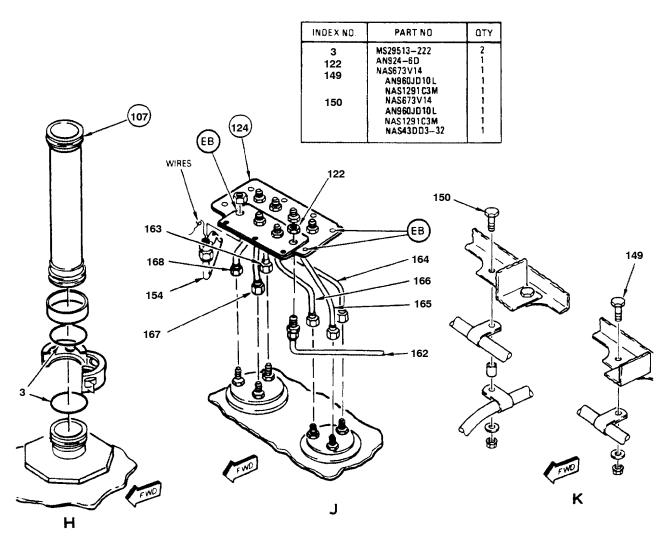


8. SEQUENCE 6.



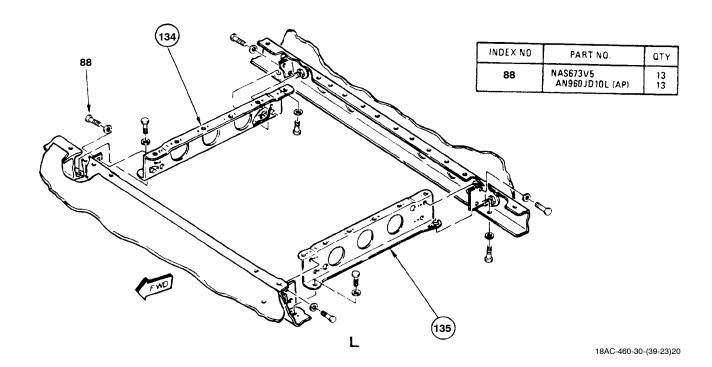
- a. With web (124) attached, connect tubes (162, 163, 164, 165, 166, 167 and 168).
 - b. Route wire, then connect tube (151).

- c. Install bolts (149 and 150) and attaching parts.
- d. Install packings (3), tube (107) and related parts.

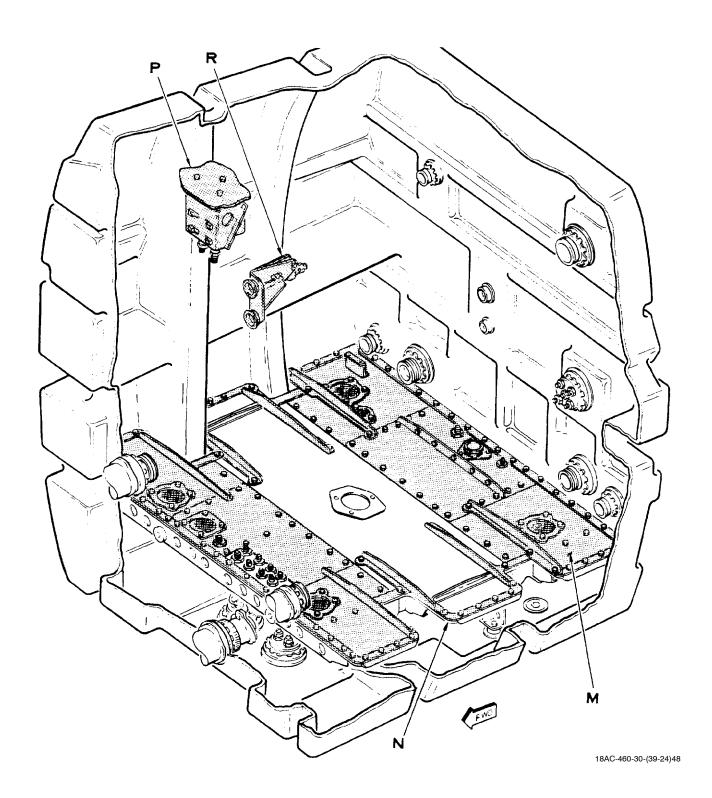


18AC-460-30-(39-22)C 35

e. Install supports (134 and 135), bolts (88) and washers.



9. **SEQUENCE 7**.



CAUTION

Install webs carefully to avoid damaging tank and components.

Damage to inverted flight baffle check valves can occur if web is rested on check valves. Use caution when handling or storing webs.

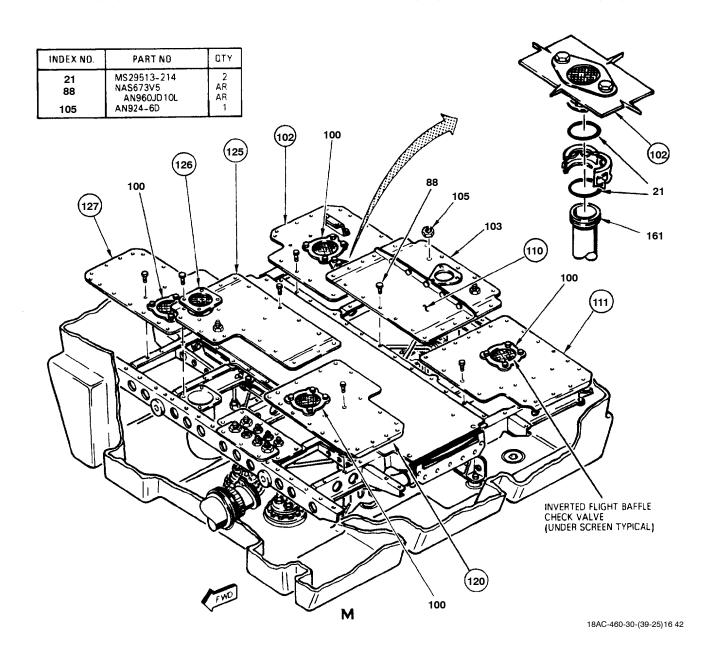
a. Position web (102), install packings (21) and connect tube (170).

b. Inspect for and remove any foreign objects below baffle. (QA)

NOTE

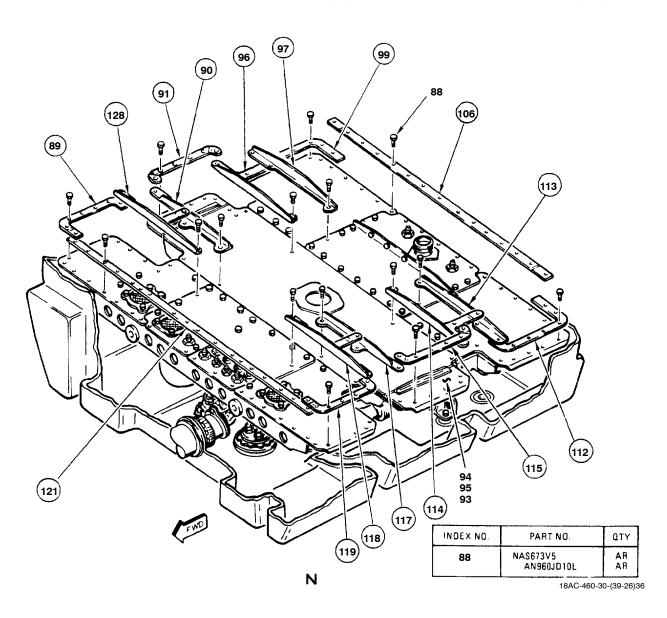
Position webs (102 and 111) before webs (103 and 110) are positioned.

c. Install webs (103, 110, 111, 120, 125 and 127), nut (105), bolts (88) and washers, but do not torque. Make sure screens (100) do not interfere with flapper (100) movement. Install screen (126).



d. If a hinged center panel has been installed, position hinged portion of center panel (93 or 94) in up position.

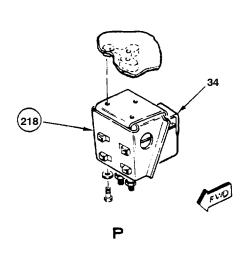
e. Install retainers (89, 90, 91, 96, 97, 99, 106, 112, 113, 114, 115, 117, 118, 119, 121 and 128) bolts (88) and washers. Torque 25 inch-pounds. (QA)

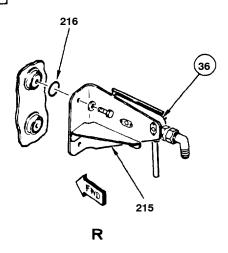


- f. Prepare mating surfaces of brackets (215 and 218) and fuel tank fittings for electrical bond (A1-F18AC-LMM-000).
- g. Install packings (216), bracket (215), sensor (36) and attaching parts. Seal bracket (215) bolt threads per WP013 00. (QA)

h. Install support (218) with valve (34) and attaching parts.

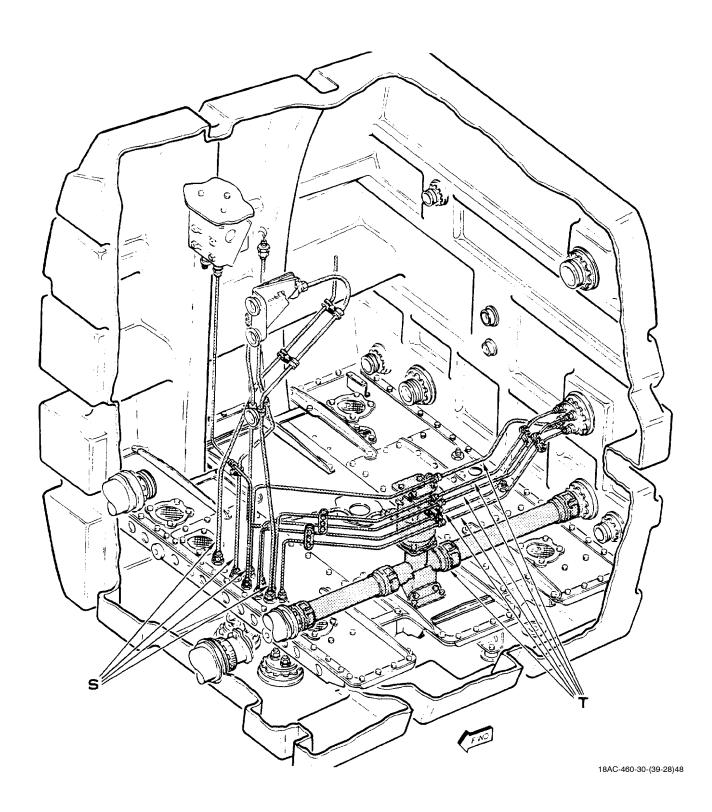
INDEX NO.	PART NO	QTY
215 216 218	BRACKET NAS673V3 (AP) AN96JD10L (AP) M25988-1-312 SUPPORT NAS674V2 (AP) AN960JD416L (AP)	2 2 2 3 3





18AC-460-30-(39-27)27

10. **SEQUENCE 8**.

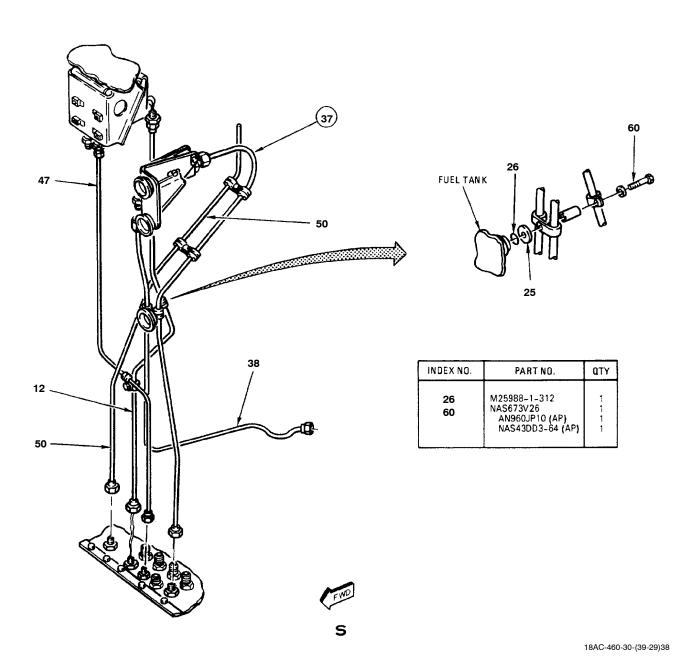


a. Tie wires to Lacing tape in tube (12) and carefully pull wires through tube, then untie and remove Lacing tape.

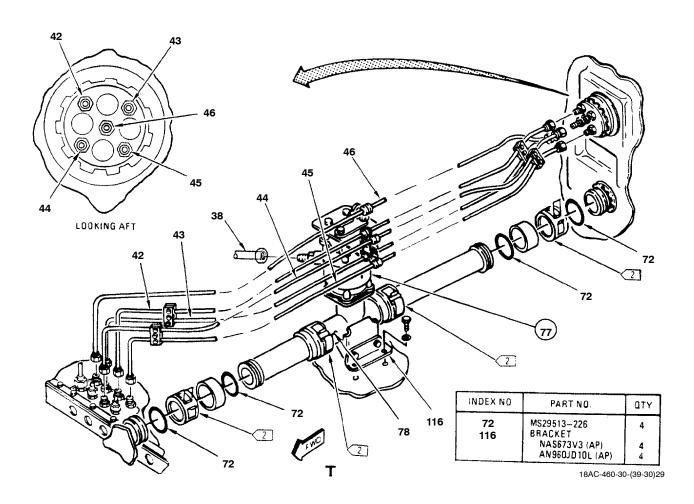
CAUTION

To prevent damage to sensor, hold sensor with wrench while torquing tube (38) to sensor.

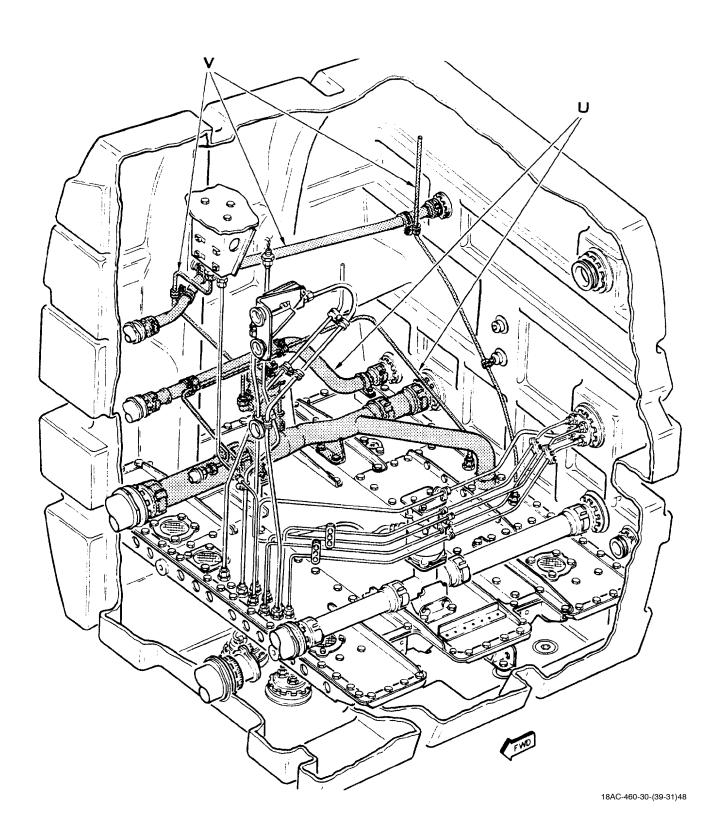
- b. Install packing (26) and tubes (12, 37, 38, 47 and 50).
- c. Install washer (25), bolt (60) and attaching parts. Seal bolt (60) WP013 00. (QA)



- d. Prepare surfaces of bracket (116) and baffle for f. Connect tube (38). electrical bond (A1-F18AC-LMM-00).
- e. Install packings (72), bracket (116) with valve (77) and tee assembly (78), tubes (42, 43, 44, 45 and 46) and related parts.

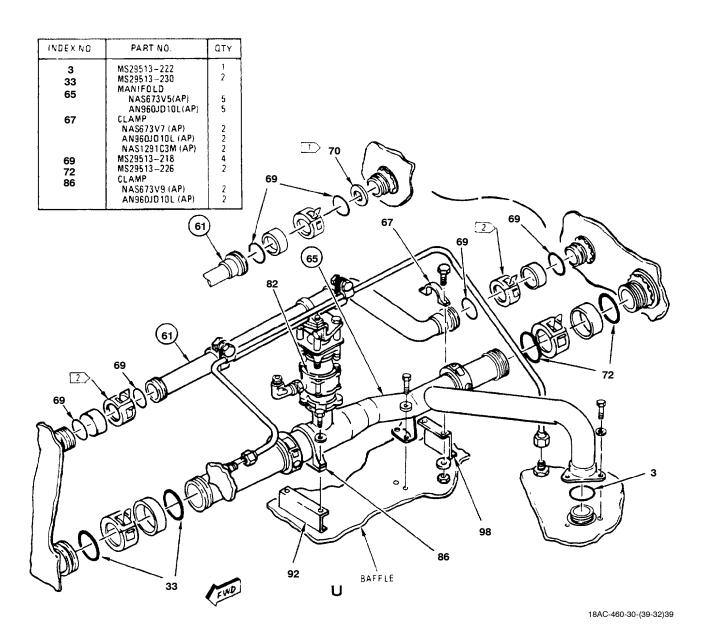


11. **SEQUENCE 9**.

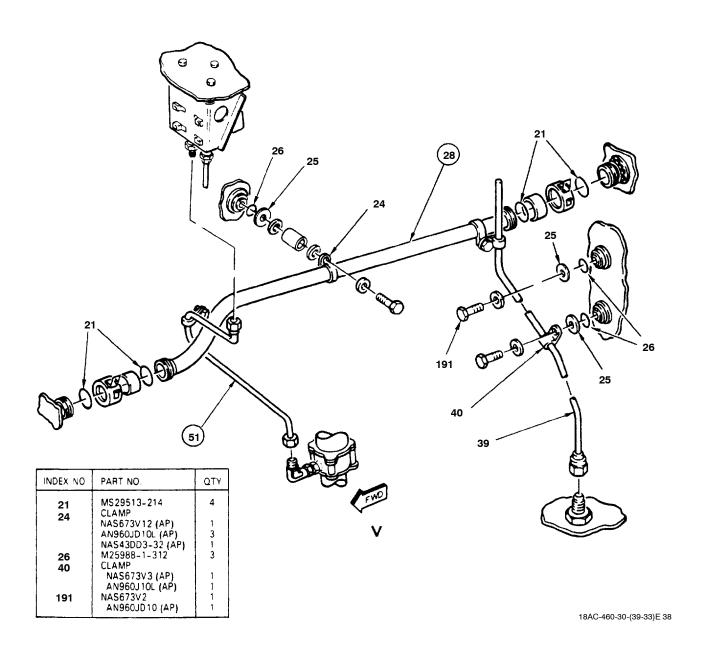


- a. Prepare mating surfaces of clamps (67 and 86), supports (92 and 98), manifold (65) and baffle for electrical bond (A1-F18AC-LMM-000).
 - b. Install packings (3, 33, 69 and 72).

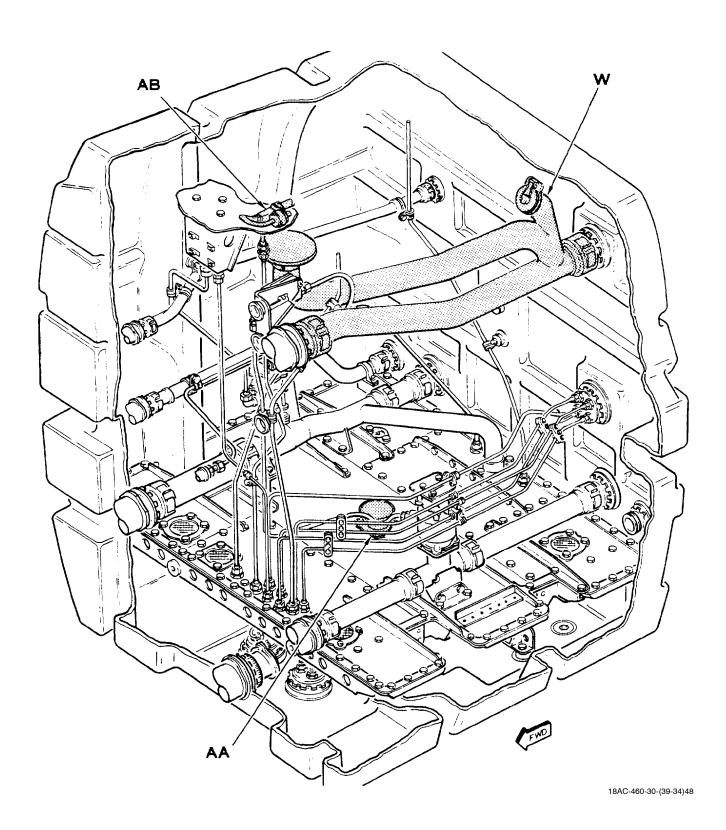
c. Install valve (82) tubes (61 and 65), restrictor (70, if required) and related parts.



- d. Install packings (21 and 26).
- e. Install tubes (28, 39, and 51) and related parts.
- f. Install retainers (25), clamps (24 and 40), bolt (191) and attaching parts. Seal clamp (24 and 40) bolt threads and bolt (191) threads per WP013 00. (QA)

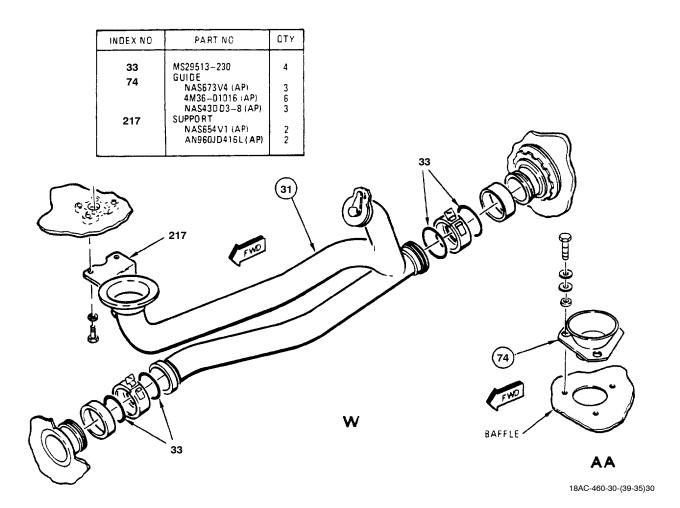


12. **SEQUENCE 10**.



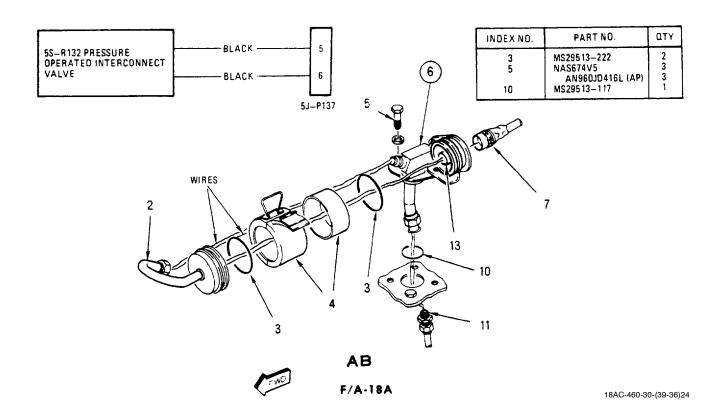
- a. Prepare mating surfaces of guide (74) and baffle for electrical bond (A1-F18AC-LMM-000).
 - b. Install guide (74) and attaching parts.

c. Install packings (33), support (217) with vent assembly (31) and related parts.



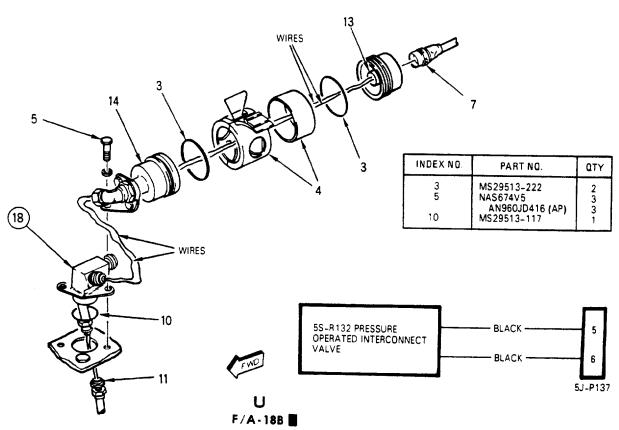
- d. On F/A-18A, do substeps below:
- (1) Prepare mating surfaces of adapter (2), elbow (6), bolts (5) and dorsal deck for electrical bond (A1-F18AC-LMM-000).
- (2) Install packing (10) and route wire through elbow (6).

- (3) Install elbow (6) and connect to nipple (11).
- (4) Route wires through adapter (2) and connect to pins 5 and 6 in connector (13).
- (5) Install adapter (2), packings (3), and coupling (4).
 - (6) Connect connector (7).



- e. On F/A-18B, do substeps below:
- (1) Prepare mating surfaces of elbow (18), bolts (5) and dorsal deck for electrical bond (A1-F18AC-LMM-000).
- (2) Install packing (10) and route wires through elbow (18).

- (3) Connect elbow (18) nipple (11).
- (4) Route wires through adapter (14) and connect to pins 5 and 6 in connector (13).
 - (5) Install packings (3) and coupling (4).
 - (6) Connect connector (7).



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Page 41/(42 blank)

- f. Do fuselage fuel tanks motive flow/transfer tubes coupling inspection (WP013 01). (QA)
- g. Install no. 2 fuel tank access cover (WP005 00).
- h. Connect both utility and emergency battery connectors (WP013 00) and remove no-power tag from external power receptacle.
- i. Refuel aircraft (A1-F18AC-PCM-000). Let stand 24 hours and inspect for leaks at cavity drain.
- j. Do internal fuel tank transfer, engine feed and dump system test (A1-F18AC-460-200, WP012 00).

2

2

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

INSTALLATION - NO. 2 FUEL TANK (5CAP509)

FUEL STORAGE SYSTEM

EFFECTIVITY: 161716 AND UP

Reference Material

Fuel System	C-460-300
No. 2 Fuel Tank Inspection and Folding	WP021 00
IPB - No. 2 Fuel Tank	WP020 02
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
No. 2 Fuel Tank Access Cover	WP005 00
No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports	WP041 00
Fuel System	C-460-200
Internal Fuel Transfer and Engine Fuel Supply System Test	
Line Maintenance Procedures	LMM-000
Plane Captain Manual	
Alphabetical Index	
Subject	Page No.
General	2

Support Equipment Required

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-

Support Equipment Required

Part Number or Type Designation	Nomenclature
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set
57A43	Electric, General Purpose, Explosion Proof Lantern
-	Torque Wrench 0 to 120 Inch-Pounds
-	Torque Wrench 0 to 300 Inch-Pounds

Materials Required

Specification or Part Number	Nomenclature
MS20995NC32 (CAGE 96906)	Lockwire
VV-P-236 (CAGE 81348)	Technical Petrolatum
74K580002-1005 (CAGE 76301)	Preformed Packing Assortment
TT-I-735 (CAGE 81348)	Isopropyl Alcohol
MIL-C-5040, Type 3 (CAGE 81349)	Fibrous Cord
MIL-S-8802, Type 2, Class A 1/2 (CAGE 81349)	Sealing Compound

Materials Required (Continued)

Specification or Part Number	Nomenclature
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
474 (CAGE 26066)	Tape, Pressure Sensitive

1. GENERAL.

NOTE

For complete parts list, see No. 2 fuel tank parts list (WP020 02).

Index numbers used to tag components during removal are circled on artwork of procedure to aid in reassembly.

a. Do or observe applicable fuel tank maintenance precautions (WP013 00).

WARNING

If nonprotruding bulkhead connector retaining rings are damaged or missing, fuel leaks and fire hazard can occur.

NOTE

Nonprotruding bulkhead connectors have a retaining ring on one side only, opposite side has fixed flange.

b. Inspect applicable nonprotruding bulkhead connectors and replace (WP041 00) missing or damaged retaining rings.

c. Apply pressure sensitive tape to all protruding type cavity fittings.

NOTE

Tie start knot of all lacing cords at first cavity support fitting before installing fuel tank to ease lacing procedure.

- d. Fold and insert tank (WP021 00).
- e. After positioning tank in cavity, remove pressure sensitive tape from cavity fittings.





Technical Petrolatum, VV-P-236

- 1
- f. Lubricate new packings with petrolatum before installation.
 - g. For alignment of tubes, refer to WP013 00.

WARNING

Make sure improved couplings (W901K, W904K, 14J12 or 14C12) are installed where flagnoted on procedure to maintain aircraft safety in flight.

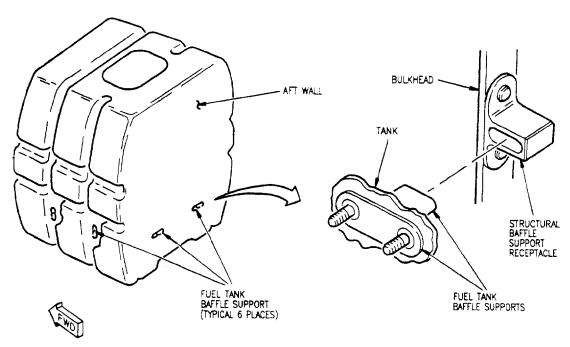
- h. Install improved couplings (W901K, W904K, 14J12 or 14C12) where flagnoted on procedure. (QA)
- i. On 161755 AND UP. Inspect baffle assembly form in place seals for damage (WP020 05).
- j. Unless covered by form in place seal, electrical bond holes in baffle assembly where indicated by symbol (EB) (A1-F18AC-LMM-000).
- k. When a sequence is completed inspect applicable tasks listed below for compliance: (QA)
 - (1) Specific torque callouts.
 - (2) Items safetied with lockwire.
 - (3) Foreign objects removed.
 - (4) Coupling condition and security.
- (5) Tube/line condition and security, and torque if printed on tube/line.
 - (6) Fuel tank (bladder) condition.

- 2. INSTALLATION.
- 3. **SEQUENCE 1**.



To prevent damage to fuel tank, make sure fuel tank baffle supports are installed in baffle support receptacles.

a. Make sure fuel tank baffle supports are installed in baffle support receptacles (to on aft tank wall and two each on left and right side of tank).



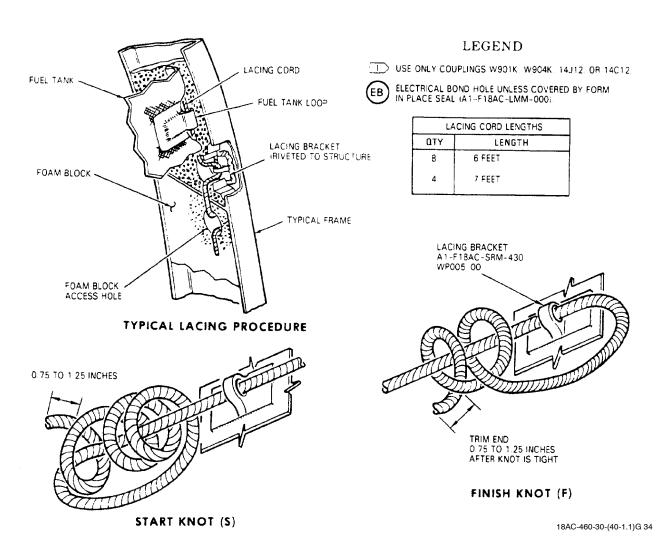
18AC-460-30-(40-1)G-SCAN 32

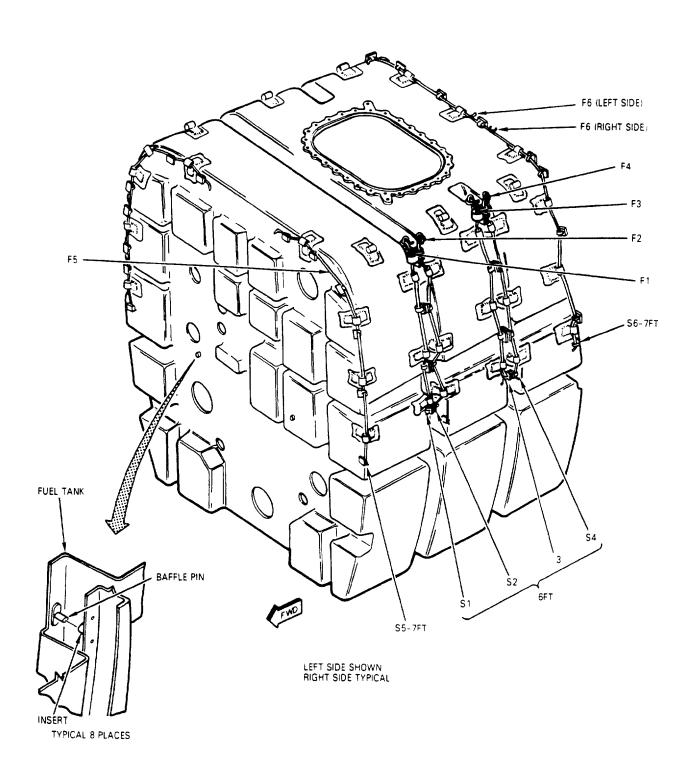
CAUTION

To prevent damage to fuel tank be careful when trimming lacing cords.

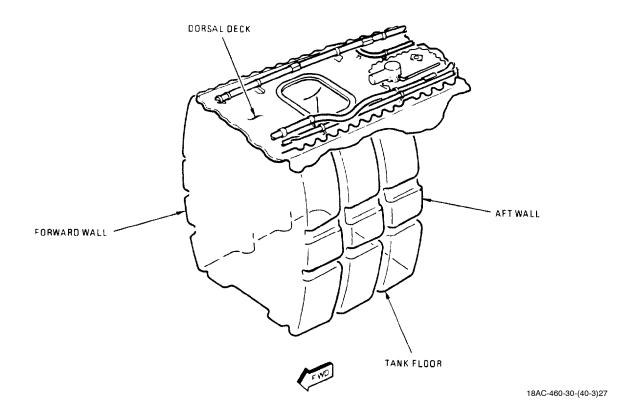
b. Cut lacing cords per chart below and prepare lacing cord ends per WP013 00.

- c. Install lacing cord ends following sequence numbers shown on the following page.
- d. Always pull cord completely through lacing bracket and fuel tank loop before starting into next fitting or loop.
 - e. Lace left side of tank the same as right side.
- f. Limit lacing cord length to 0.75 to 1.25 inches past knot.

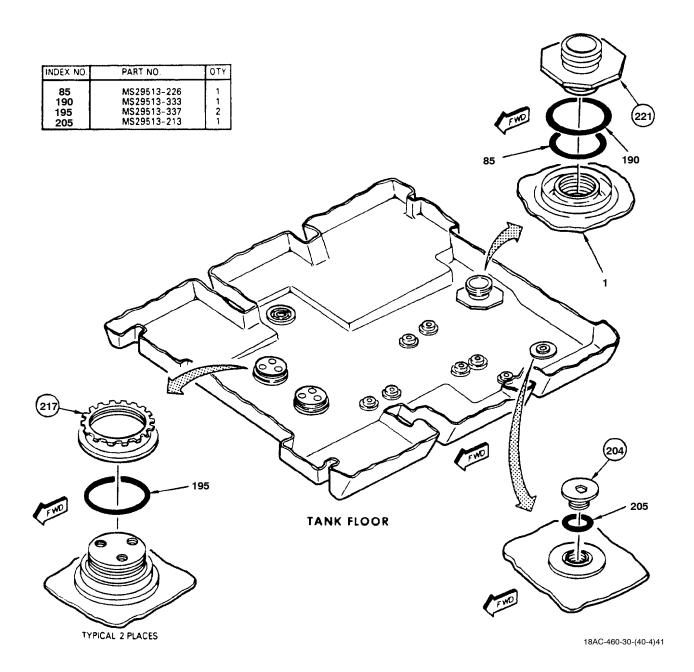




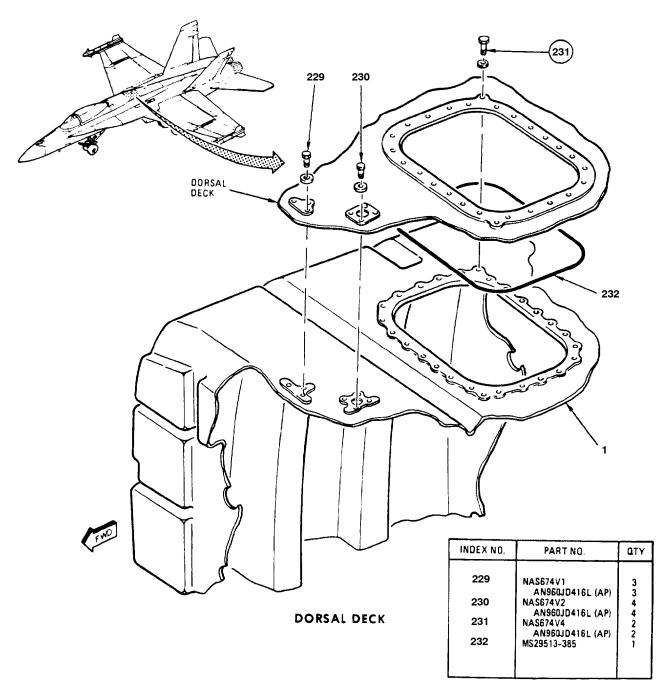
4. SEQUENCE 2.



- a. Install packing (195) and nut (217) and verify running and final torque per WP013 00. (QA)
 - b. Install packing (205) and adapter (204).
- c. Install packings (85 and 190) and retainer (221).

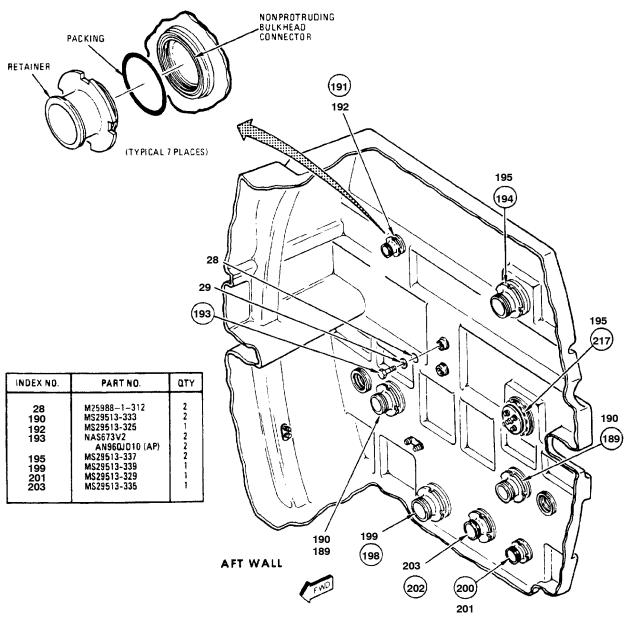


- d. Prepare bolts (231) and washes for electrical bond (A1-F18AC-LMM-000).
- e. Install bolts (229, 230 and 231), packing (232) and attaching parts.



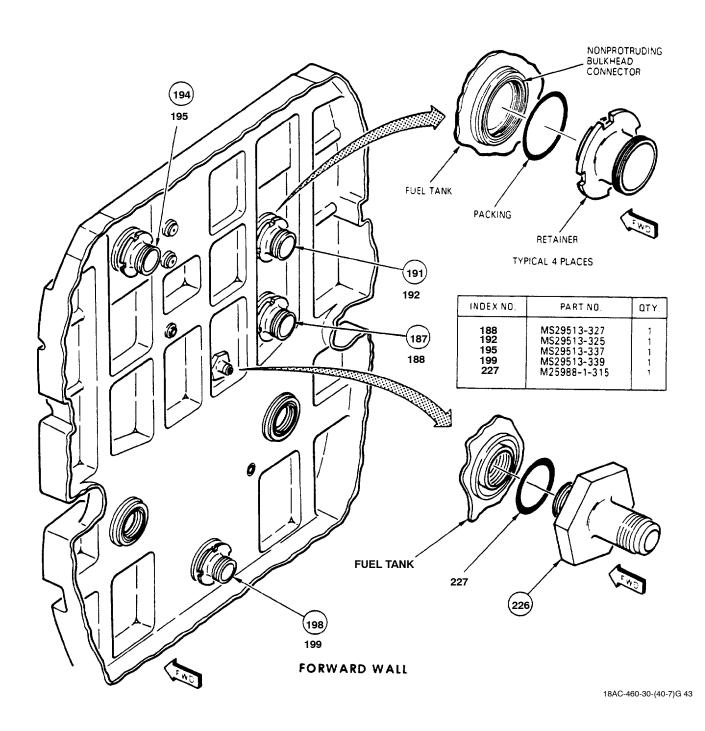
18AC-460-30-(40-5)44

- f. Install packings (28, 190, 192, 195, 199, 201 and 203).
- g. Prepare retainers (189, 198 and 200) for electrical bond (A1-F18AC-LMM-000).
- h. Install retainers (189, 191, 194, 198, 200 and 202) and nut (217) and verify running torque and final torque (WP013 00). (QA)
- i. Install washers (29) and bolts (193). Seal bolt (193) threads per WP013 00. (QA)

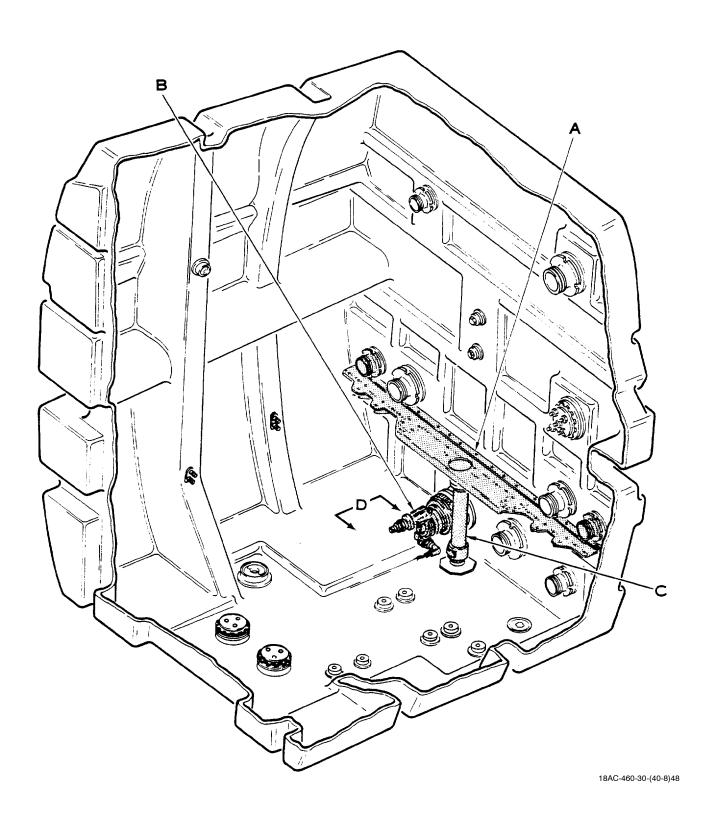


18AC-460-30-(40-6)43

- j. Install packings (188, 192, 195, 199 and 227).
- k. Prepare retainer (198) for electrical bonding (A1-F18AC-LMM-000).
- l. Install retainers (187, 191, 194, 198 and 226) and verify running torque and final torque (WP013 00). (QA)



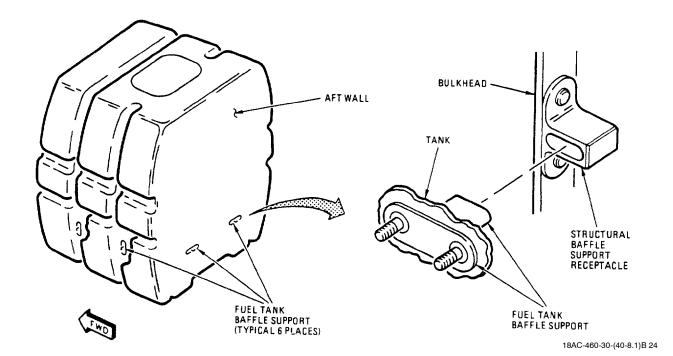
5. **SEQUENCE 3**.



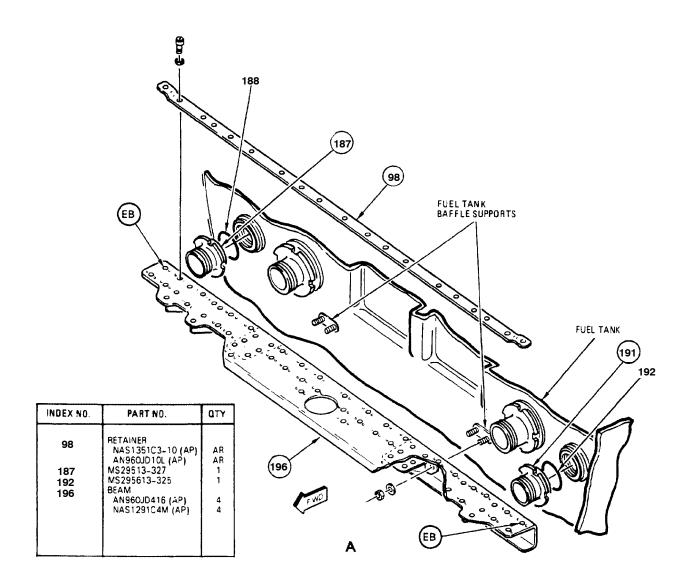


To prevent damage to fuel tank, make sure fuel tank baffle supports are installed in baffle support receptacles.

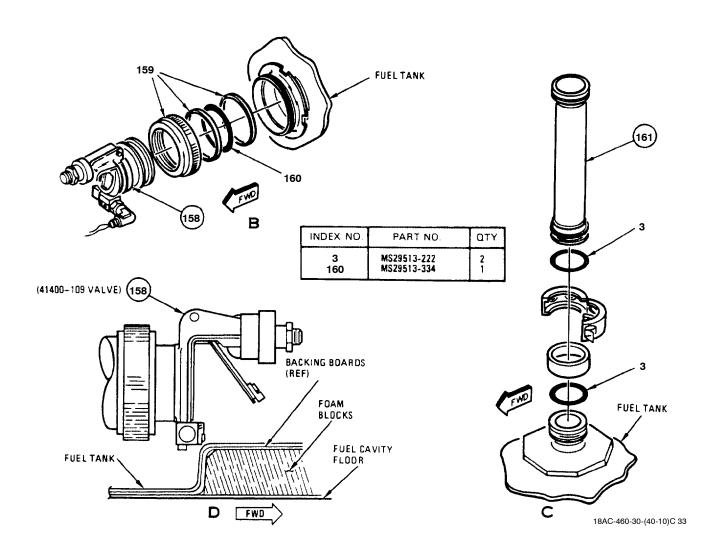
a. Make sure fuel tank baffle supports are installed in baffle support receptacles (two on aft tank wall and two each on left and right side of tank) before installing baffle structure around periphery of tank.



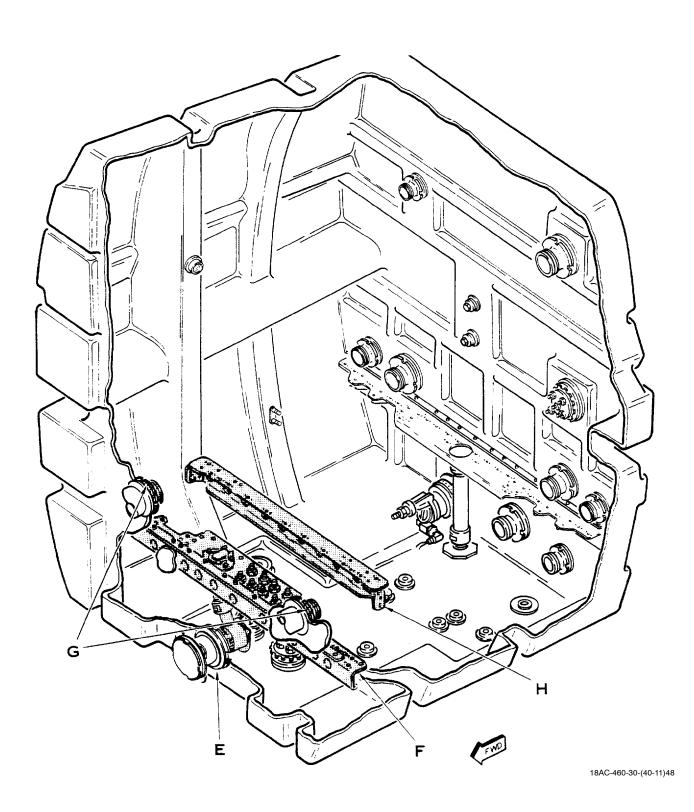
- b. Install beam (196) and attaching parts. Torque beam (196) nuts 50 to 60 inch-pounds.
- c. Install retainer (98) and attaching parts. Do not install end screws in retainer (98).
- d. Install packings (188 and 192) and retainers (187 and 191) and verify running final torque (WP013 00). (QA)



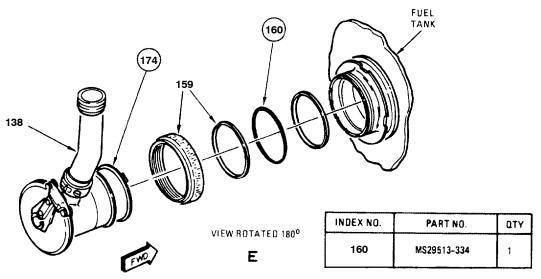
- e. Prepare valve (158) and nut assembly (159) for electrical bond (A1-F18AC-LMM-000).
- f. Install packing (160) and valve (158). Tighten nut assembly (159) handtight.
- g. If a 41400-109 valve (158) was installed, inspect per substeps below:
- (1) Inspect valve (158) for contact with fuel tank (view D).
- (2) If 41400-109 valve contacts fuel tank, replace with 41400-111, 55-7600-5 or 74B580188-1001 valve.
- h. Install packings (3), tube (161) and related parts.



6. SEQUENCE 4.

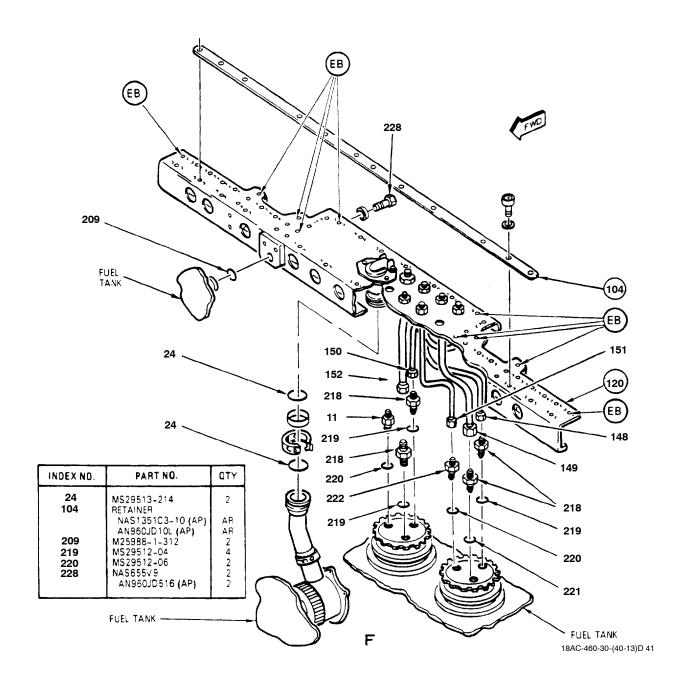


- a. Prepare valve (174) nut assembly (159) and tube (158) for electrical bonding (A1-F18AC-LMM-000).
- b. Install packing (160), valve (174) and related parts. Tighten nut assembly (159) handtight.



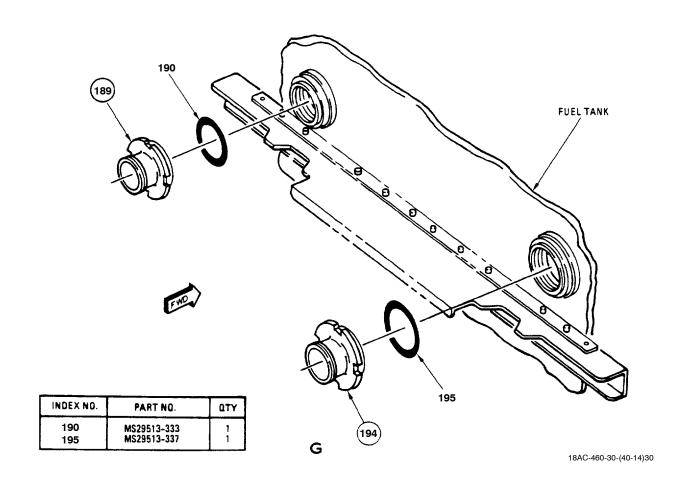
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- c. Install packings (219 and 220), nipples (11 and 218) and reducer (222).
 - d. Install packings (24 and 209).
- e. Prepare bolts (228) and washers for electrical bond (A1-F18AC-LMM-000).
- f. Install beam (120), bolts (228) and connect tubes (148, 149, 150, 151 and 152). Seal bolt (228) threads per WP013 00. (QA)
- g. Install retainer (104) and attaching parts. Do not install end screws in retainer (104).

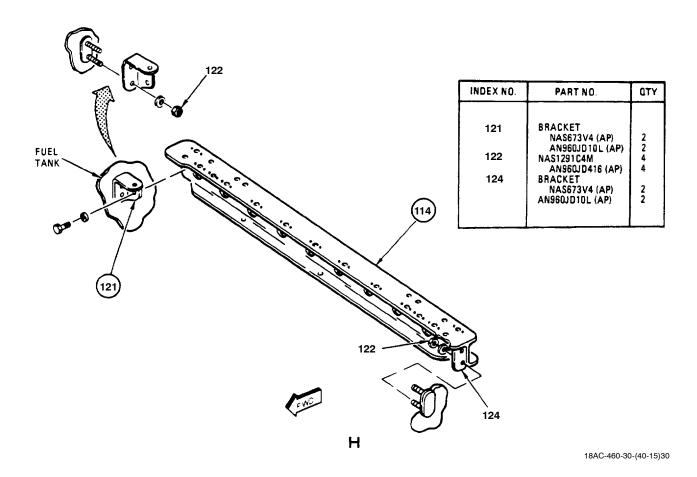


h. Prepare retainer (194) for electrical bond (A1-F18AC-LMM-000).

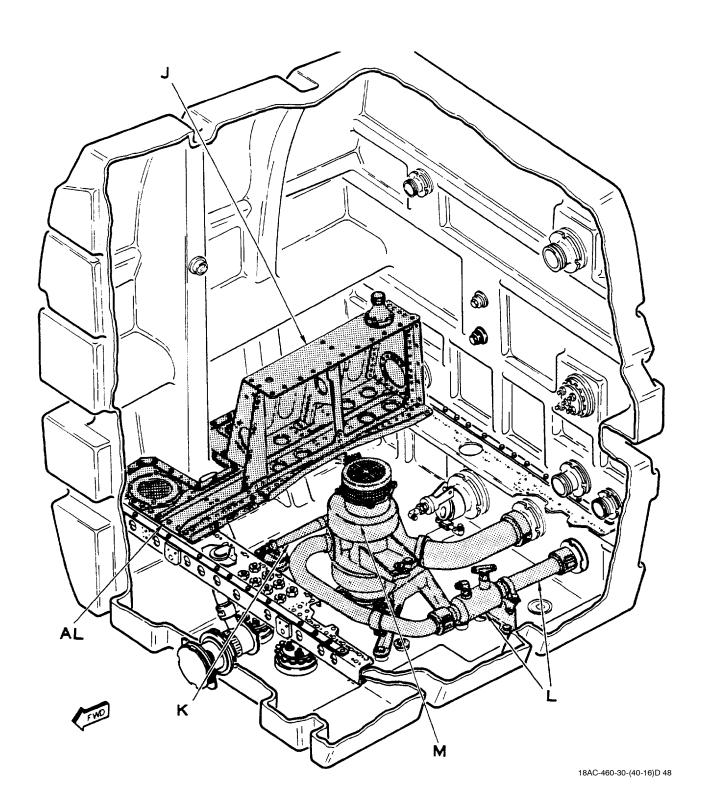
i. Install packings (190 and 195) and retainers (189 and 194) and verify running torque and final torque (WP013 00). (QA)

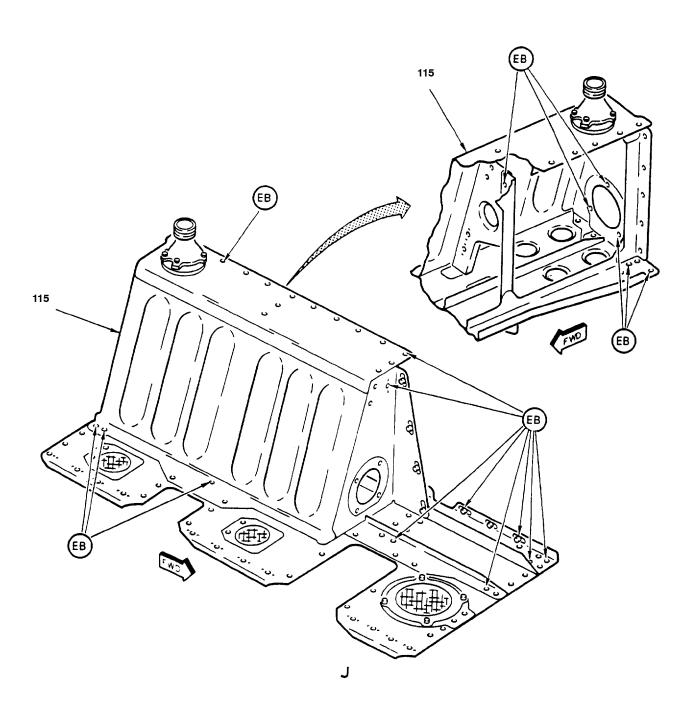


- j. Install right bracket (121) on tank with nuts (122) and washers. Torque nuts 50 to 60 inch-pounds. (QA)
- k. Position beam (114) with bracket (124) and install with nuts (122) and attaching parts. Torque nuts 50 to 60 inch-pounds. (QA)



7. SEQUENCE 5.



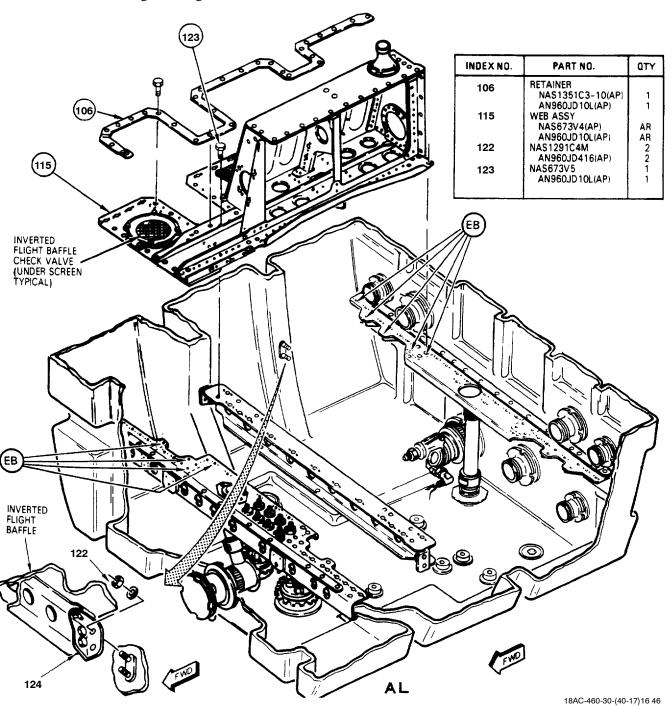


CAUTION

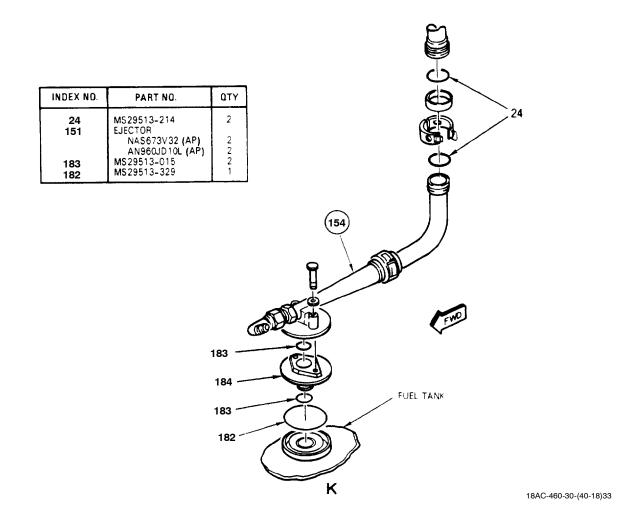
Install web carefully to avoid damaging tank or components.

Damage to inverted flight baffle check valves can occur if web is rested on check valves. Use caution when handling or storing webs.

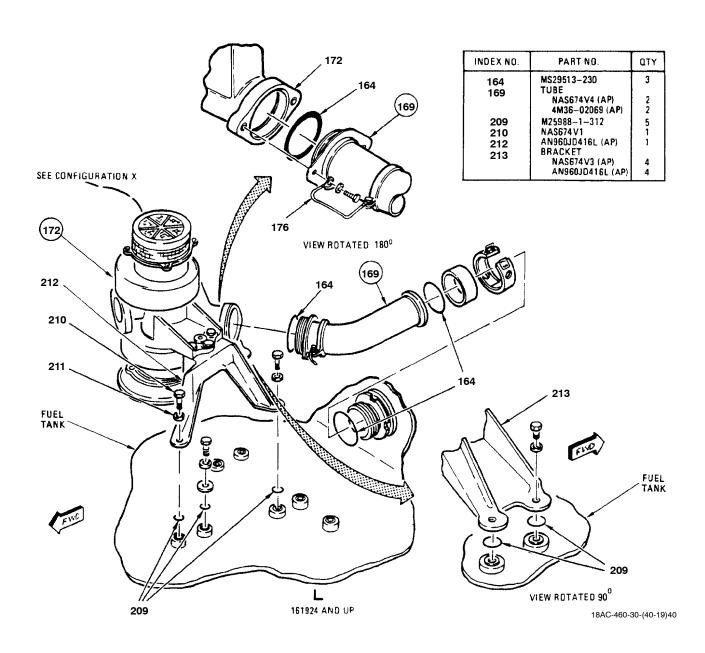
- a. Position right web (115) and install bolt (123) and attaching parts. Install nuts (122) and washers on bracket (124). Torque nuts (122) 50 to 60 inch pounds.
 - b. Install retainer (106) and attaching parts.



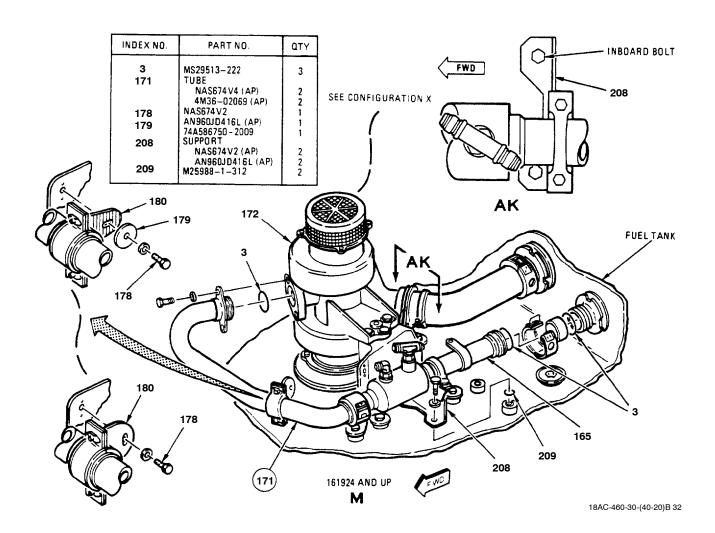
- c. Prepare attaching parts of ejector (154) for electrical bond (A1-F18AC-LMM-000).
- d. Install packings (24, 182 and 183), spacer (184), ejector (154) and attaching parts. Seal ejector bolt threads per WP013 00. (QA)



- e. On 161924 AND UP, do substeps below:
- (1) Install packing (209), washer (211), bolt (210) and washer. Seal bolt (210) threads per WP013 00. (QA)
- (2) Prepare brackets (212 and 213) and attaching parts for electrical bond (A1-F18AC-LMM-000).
- (3) Install packings (164 and 209), tube (169) with electrical lead (176), pump (172), brackets (212 and 213) and attaching parts. Seal bracket (212 and 213) bolt threads per WP013 00. (QA)



- f. On 161924 AND UP, do substeps below:
- (1) Prepare exposed end of wash filter (165), support (208) and attaching parts for electrical bond (A1-F18AC-LMM-000).
- (2) On 161924 thru 161987, apply sealing compound to support (208) both bolt threads per WP013 00. (QA)
- (3) On 162394 thru 162414, apply sealing compound to support (208) inboard bolt threads (detail AK) per step g.
- (4) Install packings (3 and 209), tube (171) and wash filter (165) with support (208) and attaching parts.



- (5) Install serrated washer (179) if clamp (180) has serrations.
 - (6) Install strap (180), bolt (178) and washer.
- g. On 162394 thru 162414, seal support (208) inboard bolt threads per substeps below:









Isopropyl Alcohol, TT-I-735

4



Support bolt should be sealed at bolt threads to prevent fuel leaks.

(1) Clean bolt threads with cheesecloth moistened with isopropyl alcohol. Wipe with clean, dry cheesecloth before alcohol evaporates. Repeat procedure until no visible contamination remains.







Sealing Compound, MIL-S-8802, Class A 1/2



To prevent fuel leaks sealing compound should not contact fuel tank or cavity fitting packing sealing surfaces.

Sealing compound shall be lightly applied to threads of bolt to prevent filling fitting bolt hole full of sealing compound.

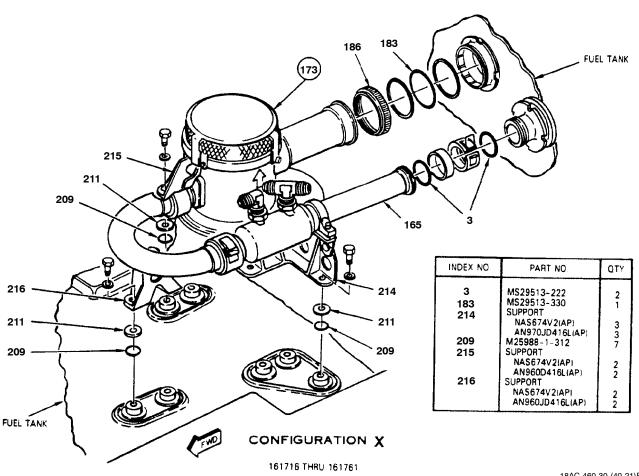
- (2) Lightly coat threads of bolt with sealing compound, then install bolt.
- (3) Remove excess sealing compound with cheesecloth moistened with isopropyl alcohol.

- h. On 161716 THRU 161761, do substeps below:
- (1) Prepare attaching parts and supports (214, 215 and 216) for electrical bonding (A1-F18AC-LMM-000).

WARNING

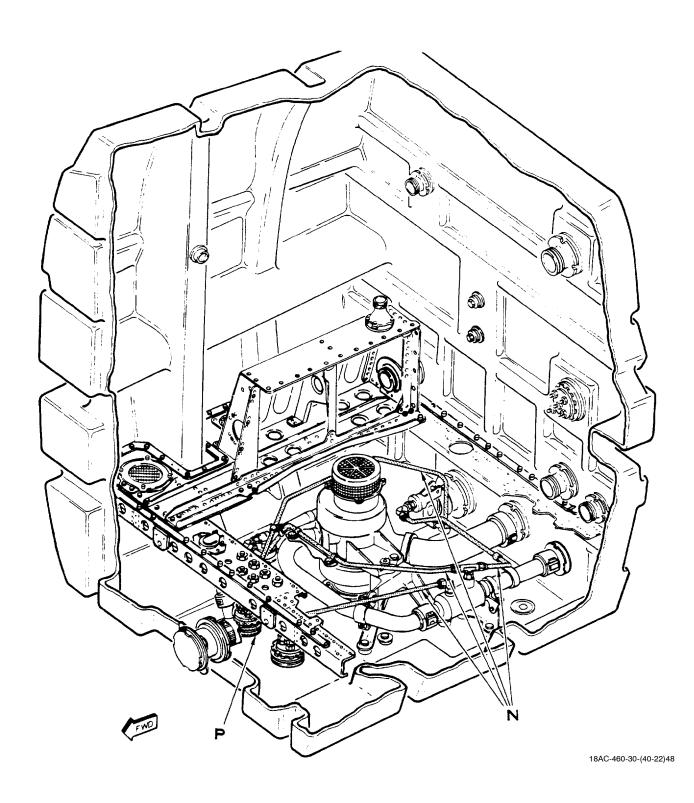
To prevent a fuel system malfunction, shuttle inside ejector must move freely from top to bottom.

- (2) Turn ejector (173) upside down, then right side up and make sure shuttle inside ejector moves freely from top to bottom.
- (3) Prepare wash filter (165) for electrical bond (A1-F18AC-LMM-000).
- (4) Install packings (3, 183 and 209), washers (211), ejector (173), supports (214, 215 and 216) and related parts. Tighten nut assembly (186) handtight. Seal support (214, 215 and 216) bolt threads per WP013 00. (QA)

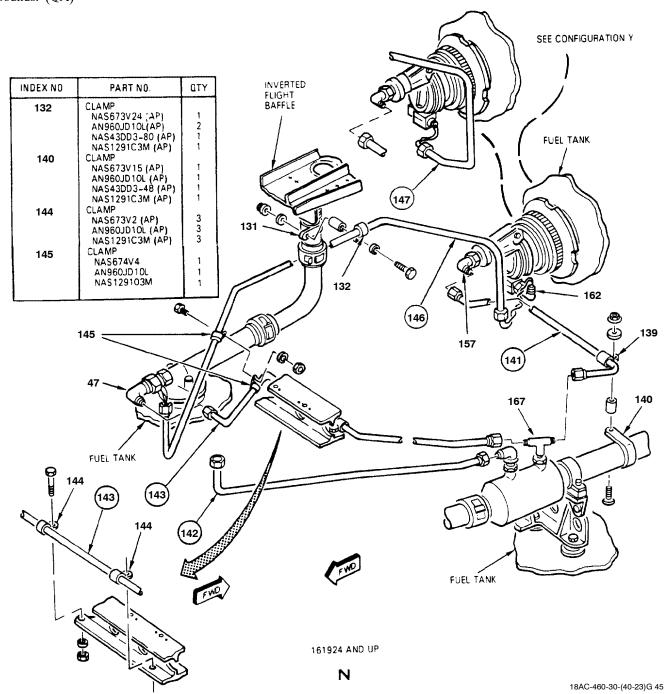


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8. SEQUENCE 6.

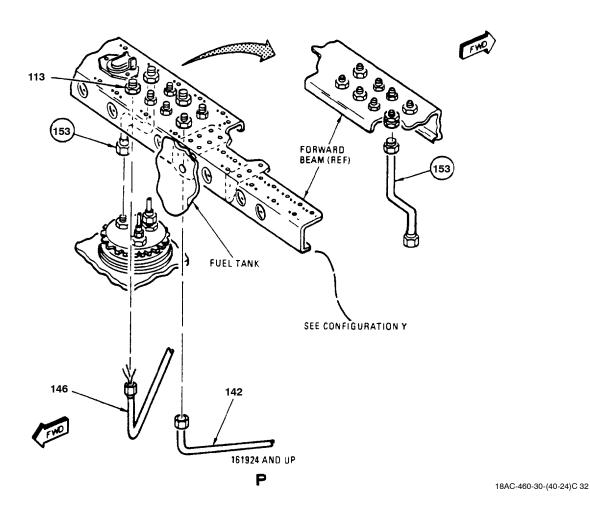


- a. On 161924 AND UP, do substeps below:
- (1) Prepare elbow (162) and tube (146 or 147) electrical bonding (A1-F18AC-LMM-000).
- (2) Tie wires to Lacing tape in tube (146) then carefully pull wires through tube. Untie Lacing tape from wires.
- (3) Install tube (146 or 147), clamps (131 and 132) and attaching parts. Torque tube 130 to 180 inchpounds. (QA)
- (4) Prepare elbows (157 and 47), tube (141) and tee (167) for electrical bonding (A1-F18AC-LMM-000).
- (5) Install tubes (141, 142 and 143). Connect clamps (139, 140, 144 and 145) and attaching parts.



- b. Prepare nipple (113) and tube (146) for electrical bonding (A1-F18AC-LMM-000).
- c. On 161924 AND UP, route wires and connect tubes (146 and 142). On 161924 THRU 163145 install

tube (153). Torque tube (146) 130 to 180 inchpounds. (QA)



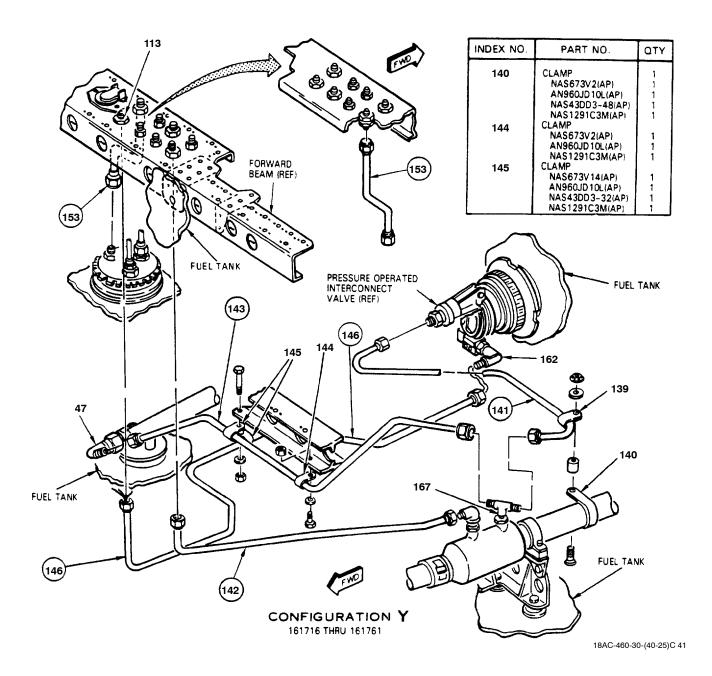
d. On 161716 THRU 161761, do substeps below:

CAUTION

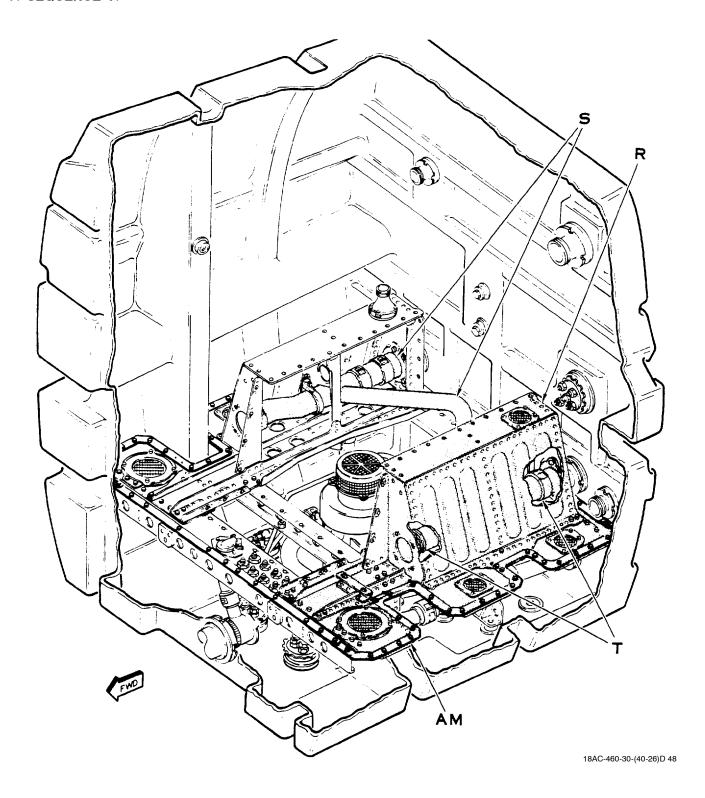
To prevent damage to wires, carefully slide wires through related components.

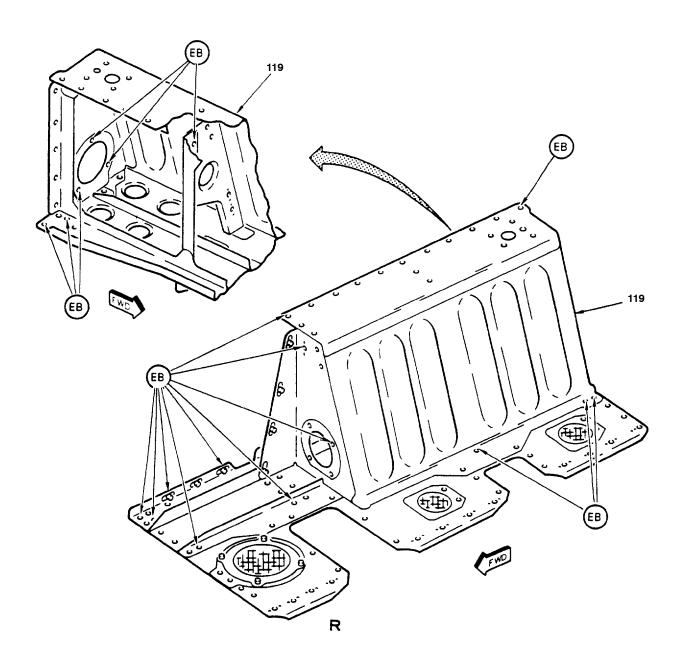
(1) Prepare nipple (113), tube (146) and elbow (162) for electrical bonding (A1-F18AC-LMM-000).

- (2) Tie wires to Lacing tape in tube (146) and carefully pull wires through tube. Untie Lacing tape from wires.
- (3) Install tube (146), then tube (153). Torque tube (146) 130 to 180 inch-pounds. (QA)
- (4) Prepare elbow (47) and tee (167) for electrical bonding (A1-F18AC-LMM-000).
- (5) Install tubes (141, 142 and 143), clamps (139, 140, 144 and 145) and related parts.



9. **SEQUENCE 7**.



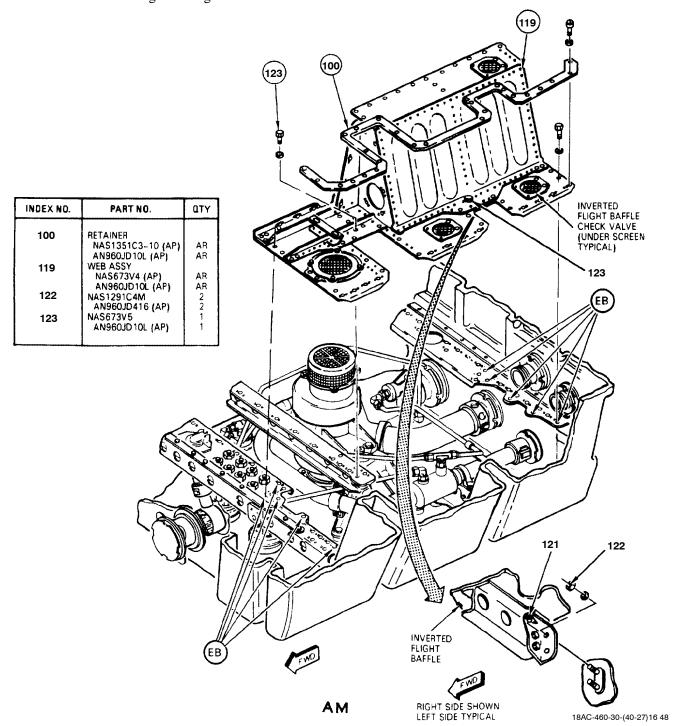


CAUTION

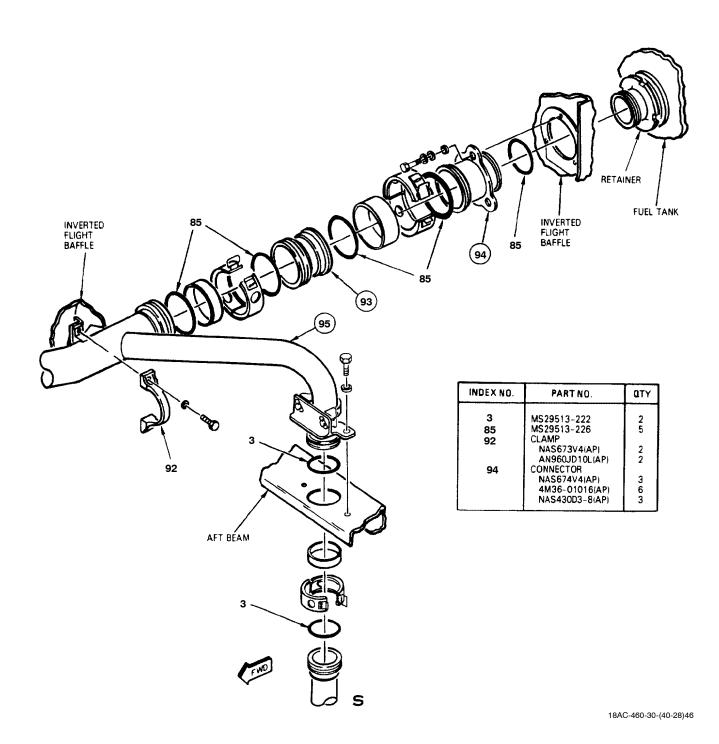
Install web carefully to avoid damaging tank or components.

Damage to inverted flight baffle check valves can occur if web is rested on check valves. Use caution when handling or storing webs.

- a. Position left web (119) and install bolt (123) and attaching parts. Install nuts (122) and washers on bracket (121). Torque nuts 50 to 60 inch pounds.
 - b. Install retainer (100) and attaching parts.

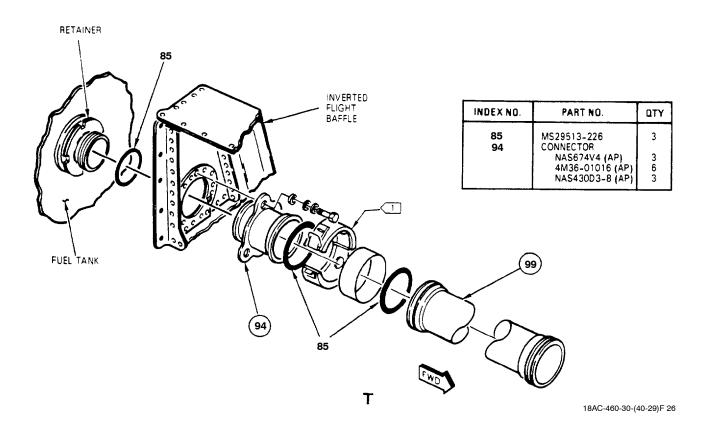


- c. Prepare manifold (95), tube (93), connector (94) and mating surface of baffle for electrical bond (A1-F18AC-LMM-000).
- d. Install packing (85), slide connector (94) onto retainer and install attaching parts.
- e. Install packings (3 and 85), tube (93), manifold (95), and related parts.

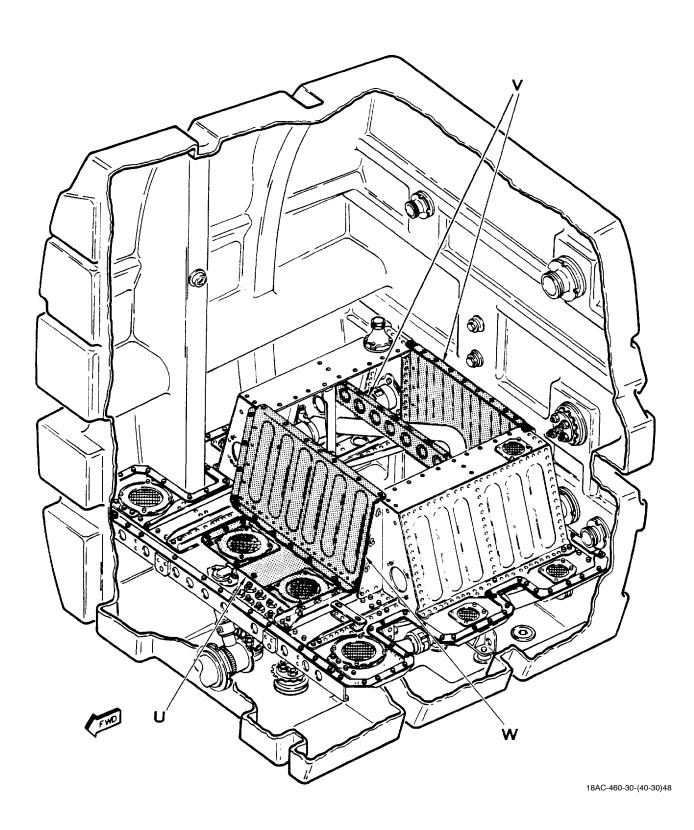


f. Install packing (85), slide connector (94) onto retainer and install attaching parts.

g. Install packings (85), tube (99) and related parts.



10. SEQUENCE 8.



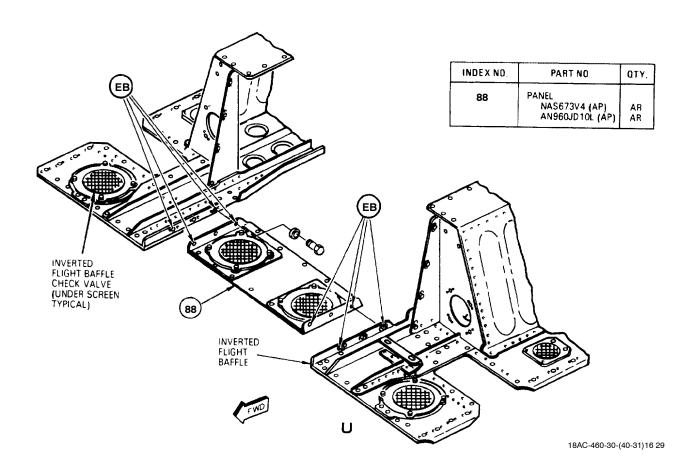


Install panel carefully to avoid damaging tank and components.

Damage to inverted flight baffle check valves can occur if panel is rested on check

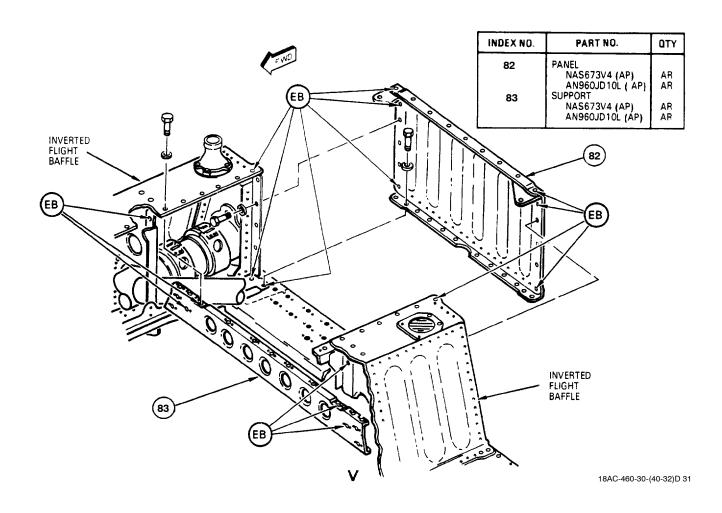
valves. Use caution when handling or storing panels.

a. Install panel (88) and attaching parts.

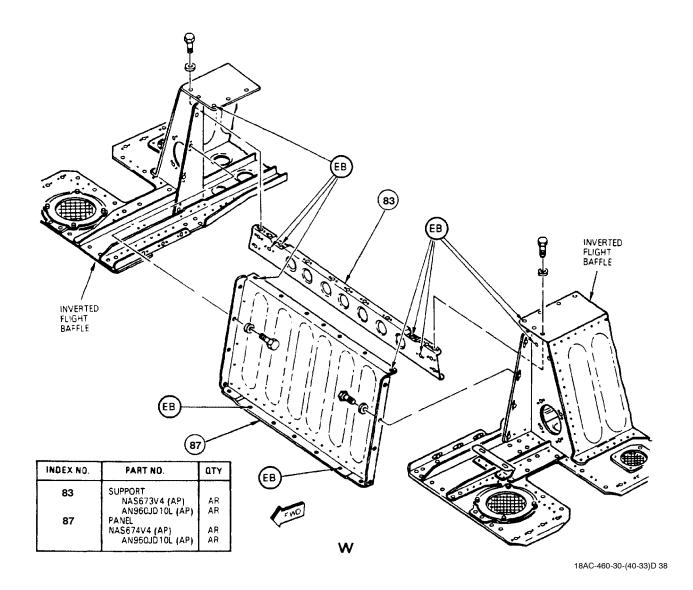


b. Install panel (82) and attaching parts.

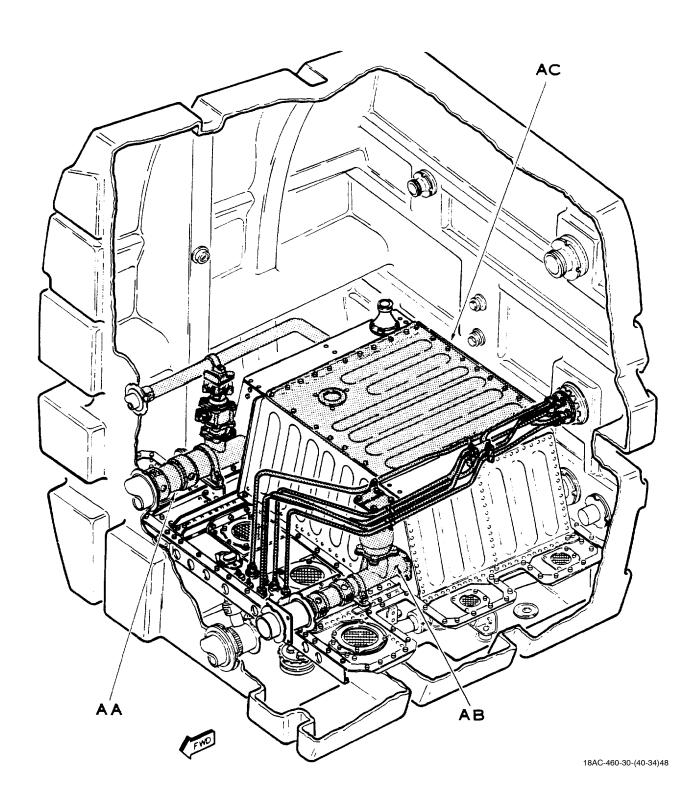
c. Install support (83) and attaching parts.



- d. Install support (83) and attaching parts.
- e. Install panel (87) and attaching parts.



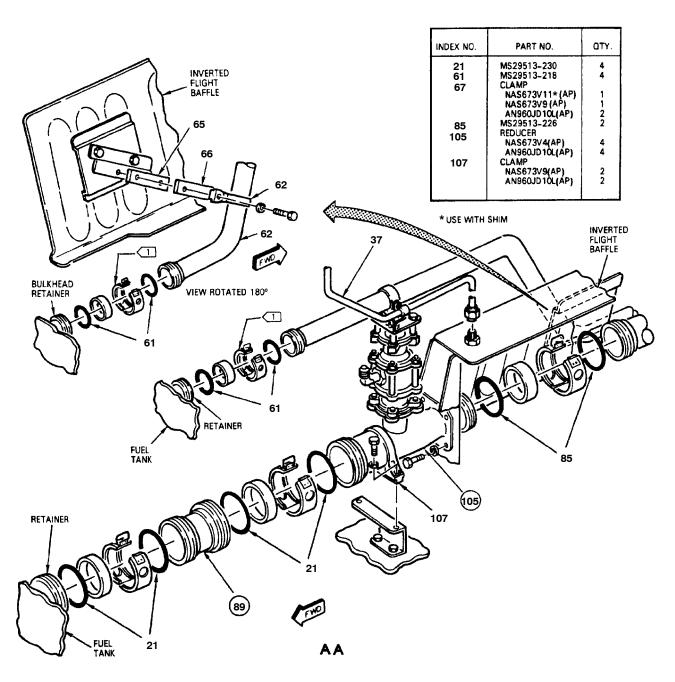
12. **SEQUENCE 10**.



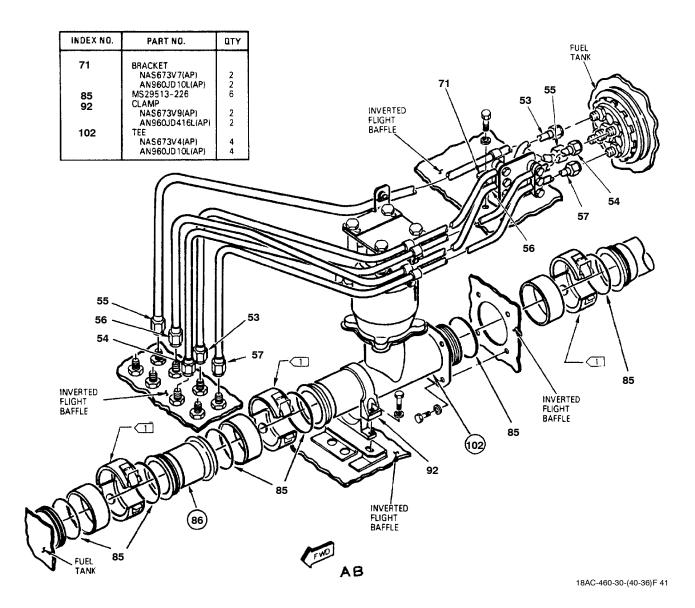
- a. Install packings (21, 61, and 85).
- b. Prepare reducer (105) and tube (89) for electrical bonding (A1-F18AC-LMM-000).
- c. Install reducer (105), clamps (67 and 107) and related parts. Install spacer (65) and adjust shim (66),

as required, to provide proper alignment between tube (62) and bulkhead retainer.

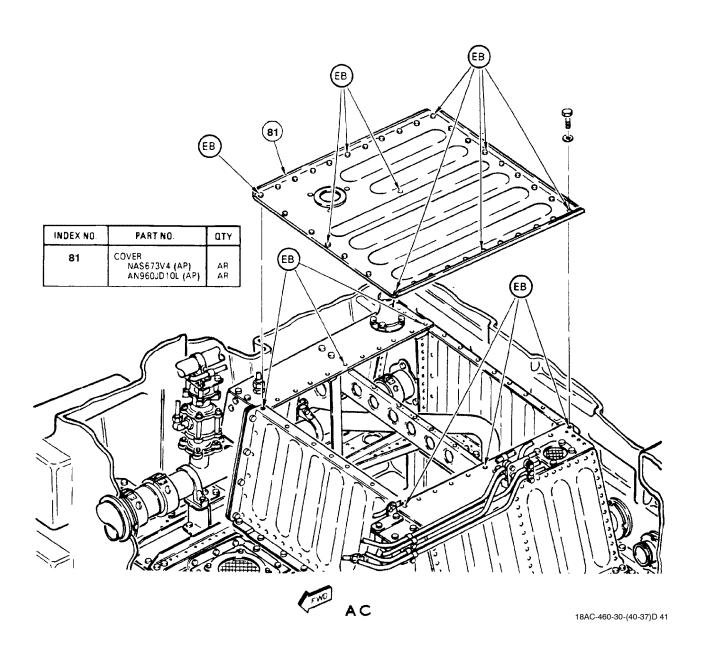
- d. Install tube (89) and related parts.
- e. On 161716 THRU 161761 connect tube (37).



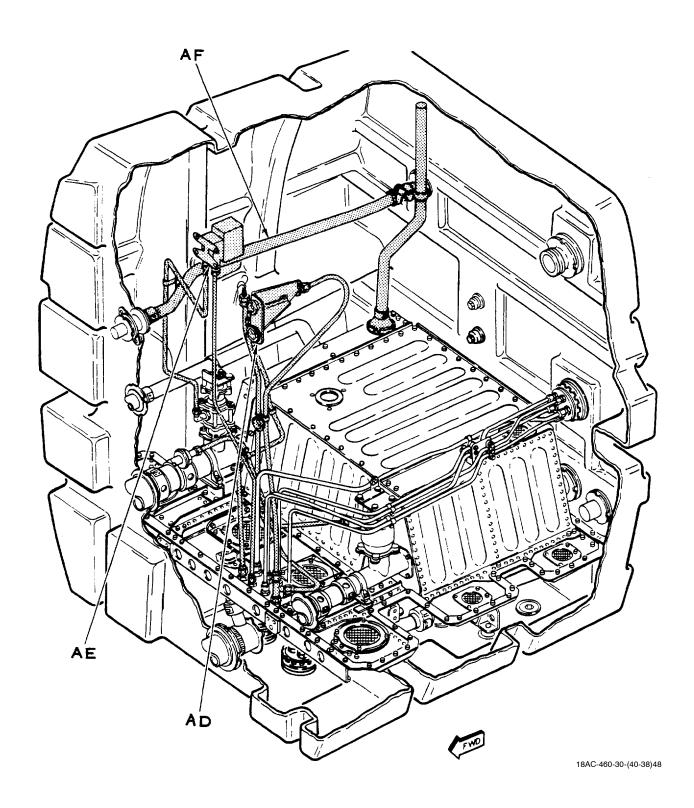
- f. Install packings (85), tee (102), clamp (92) and related parts.
 - g. Connect tubes (53, 54, 55, 56 and 57).
- h. Install attaching parts to bracket (71).
- i. Install tube (86) and related parts.



- j. Inspect for and remove any foreign objects below baffle. (QA)



13. **SEQUENCE 11**.

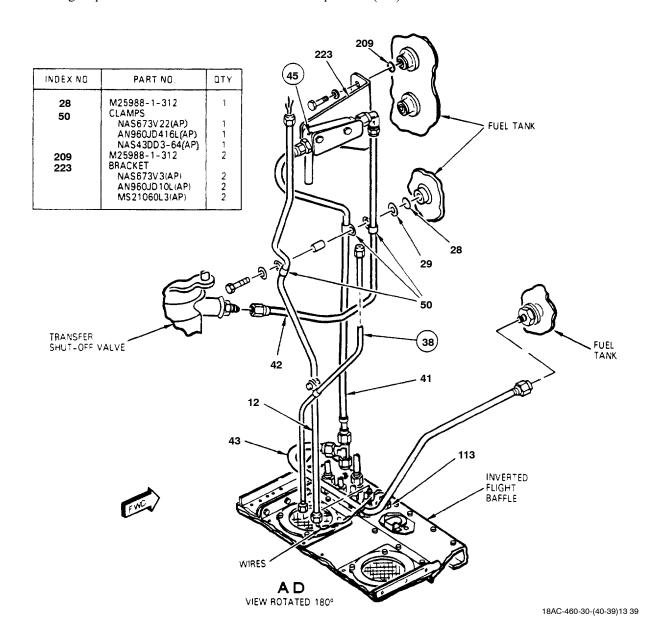


CAUTION

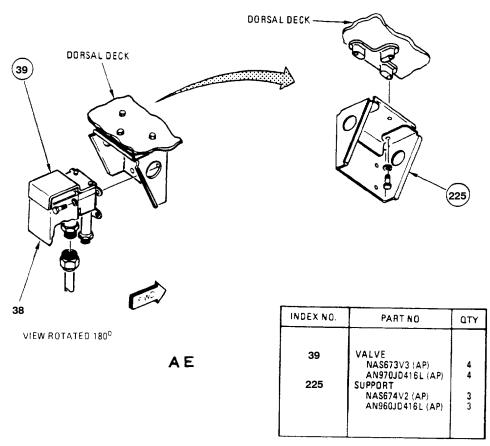
To prevent damage to wires, carefully slide wires through related components.

- a. Prepare nipple (113) and tube (12) for electrical bonding (A1-F18AC-LMM-000).
- b. Tie Lacing Tape in tube (12) to wires. Carefully pull Lacing Tape through tube until wires are visible. Untie Lacing Tape from wires.

- c. Prepare attaching parts of bracket (223) for electrical bonding (A1-F18AC-LMM-000).
- d. Install packings (28 and 209), sensor (45) with bracket (223), attaching parts and connect tubes (41, 42 and 43). Seal bracket bolt threads per WP013 00. (QA)
- e. Connect tubes (12 and 38) and install clamps (50), washer (29) and attaching parts. Seal clamps bolt threads per WP013 00. (QA)
- f. Torque conduit tube (12) 130 to 180 inchpounds. (QA)

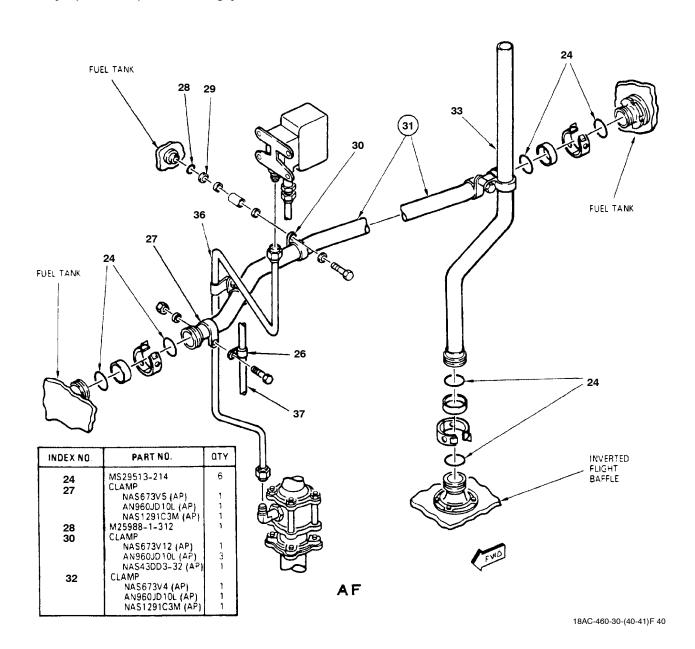


- g. Prepare attaching parts of support (225) and valve (39) for electrical bonding (A1-F18AC-LMM-000).
- h. Install support (225), valve (39) and related parts.
 - i. Connect tube (38).

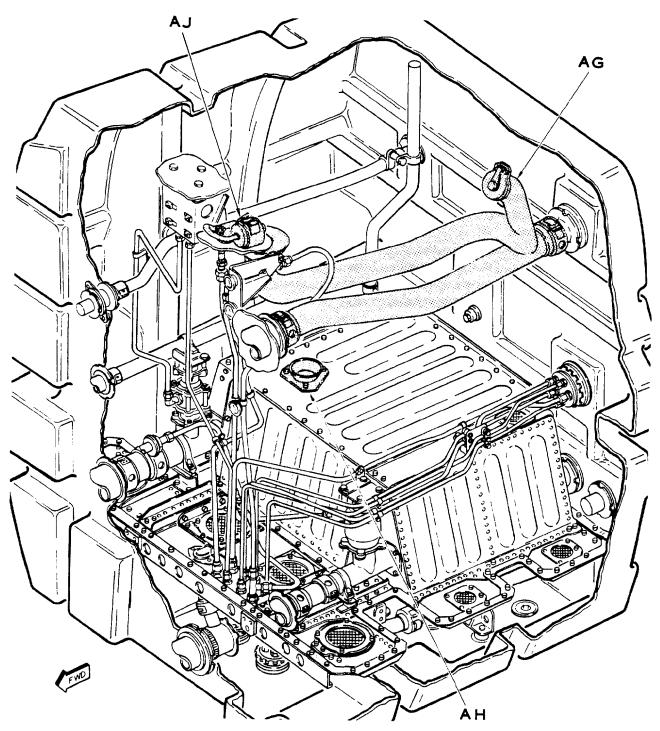


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- j. Install packings (24), tubes (31, 33 and 36) and related parts.
- k. On 161716 THRU 161761 connect tube (37) with clamps (26 and 27) and attaching parts.
- l. Install packing (28), clamp (30), washer (29) and attaching parts. Seal clamp (30) bolt threads per WP013 00. (QA)



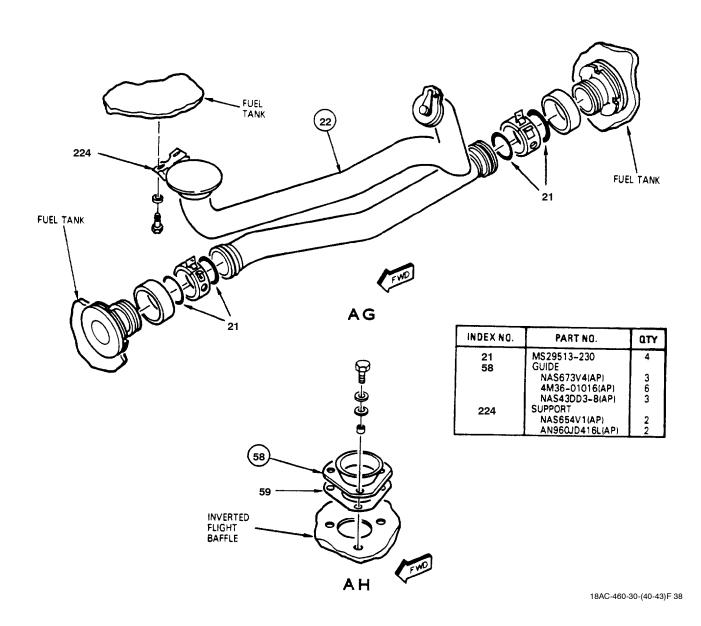
14. **SEQUENCE 12.**



18AC-460-30-(40-42)48

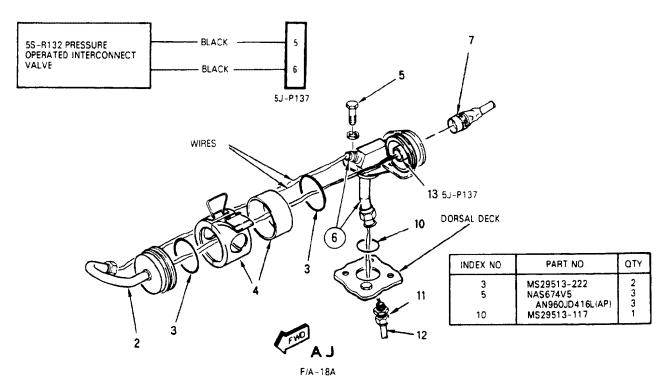
a. Install packings (21), vent assembly (22) and related parts.

b. Install guide (58) and attaching parts. On 161924 AND UP, install gasket (59).



- c. On F/A-18A, do substeps below:
- (1) Prepare nipple (11), elbow (6), adapter (2), bolts (5) and washers for electrical bonding (A1-F18AC-LMM-000).
- (2) Install packing (10) and route wire through elbow (6).
- (3) Install elbow (6), bolts (5) and washers and connect elbow (6) to nipple (11).

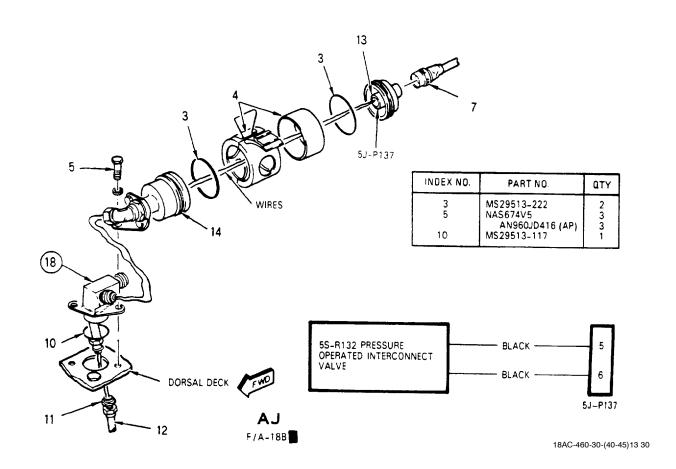
- (4) Torque elbow (6) and tube (12) to 60 inch-pounds. (QA)
- (5) Route wires through adapter (2) and connect to pins 5 and 6 in connector (13).
- (6) Install adapter (2), packings (3) and coupling (4).
 - (7) Connect connector (7).



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- d. On F/A-18B, do substeps below:
- (1) Prepare nipple (11), elbow (18) and dorsal deck for electrical bonding (A1-F18AC-LMM-000).
- (2) Install packing (10) and route wires through elbow (18).
- (3) Install elbow (18), bolts (5) and washers and connect elbow (18) to nipple (11).

- (4) Torque elbow (18) and conduit (12) to 60 inch-pounds. (QA)
- (5) Route wires through adapter (14) and connect to pins 5 and 6 in connector (13).
 - (6) Install packings (3) and coupling (4).
 - (7) Connect connector (7).



- e. Do fuselage fuel tank motive flow/transfer tubes coupling inspection (WP013 01). (QA)
- f. Install No. 2 fuel tank access cover (WP005 00).
- g. Connect both utility and emergency battery connectors (WP013 00) and remove no-power tag from external power receptacle.
- h. Refuel aircraft (A1-F18AC-PCM-000). Let stand 24 hours and inspect for leaks at cavity drain.
- i. Do internal fuel tank transfer, engine feed and dump system test (A1-F18AC-460-200, WP012 00).

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

INSTALLATION - NO. 2 FUEL TANK (5CAP509)

FUEL STORAGE SYSTEM

EFFECTIVITY 161353 THRU 161715 AFTER F/A 18 AFC 18 AND F/A-18 AFC 53

Reference Material

Fuel System	A1-F18AC-460-300
No. 2 Fuel Tank Inspection and Folding	WP021 00
IPB - No. 2 Fuel Tank	
Fuel Tank Maintenance Precautions and General Preparation	WP013 00
Fuselage Fuel Tanks Motive Flow/Transfer Tubes Coupling Inspection	WP013 01
No. 2 Fuel Tank Access Cover	WP005 00
No. 2 Fuel Tank Cavity Bulkhead Fittings and Supports	WP041 00
Fuel System	A1-F18AC-460-200
Internal Fuel Transfer and Engine Fuel Supply System Test	WP012 00
Line Maintenance Procedures	1-F18AC-LMM-000
Plane Captain Manual	1-F18AC-PCM-000

Alphabetical Index

Subject	Page No.
General	3
Installation	4
Materials Required	2
Support Equipment Required	2

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shutoff Valve and Raised Inverted Baffle (ECP MDA-F/A-18-00055C1)	15 Jul 86	-
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/ Sealing of Raised Baffle in Tank 2 and 3 (ECP MDA-F/A-18-00077/C1/C2)	15 Jul 86	-

Support Equipment Required

Materials Required

Part Number or Type Designation	Nomenclature	Specification or Part Number	Nomenclature
74D460019-1001 and 74D460029-1001	Fuel Cell Removal/ Installation Tool Set	MS20995NC32 (CAGE 96906)	Lockwire
152016-1	Fuel Tank Bulkhead Adapter (Retainer) Socket Wrench Set	VV-P-236 (CAGE 81348) 74K580002-1005 (CAGE 76301)	Petrolatum, Technical Preformed Packing Assortment
57A43 -	Electric, General Purpose, Explosion Proof Lantern Torque Wrench 0 to 120 Inch-Pounds Torque Wrench 0 to 200 Inch-Pounds	TT-I-735 (CAGE 81348)	Isopropyl Alcohol
		MIL-C-5040, Type 3 (CAGE 81349)	Fibrous Cord
		MIL-T-43435 TYPE-2 SIZE-3 FINISH-C	Lacing Tape
		(CAGE 81349) MIL-S-8802, TY2CLA-1/2 (CAGE 81349)	Sealing Compound
74D460102-1001	Fuel Tank Bulkhead Nut Adapter Set	CCC-C-440, TYPE 1, CLASS 1 (CAGE 81348)	Cheesecloth
		474 (CAGE 26066)	Tape, Pressure Sensitive

1. GENERAL.

NOTE

For complete parts list, see no. 2 fuel tank parts list (WP020 00).

Index numbers used to tag components during removal are circled on artwork of procedure to aid in reassembly.

a. Do or observe applicable fuel tank maintenance precautions (WP013 00).

WARNING

If nonprotruding bulkhead connector retaining rings are damaged or missing, fuel leaks and fire hazard can occur.

NOTE

Nonprotruding bulkhead connectors have a retaining ring on one side only, opposite side has fixed flange.

- b. Inspect applicable nonprotruding bulkhead connectors and replace (WP041 00) missing or damaged retaining rings.
- c. Apply pressure sensitive tape to all protruding type cavity fittings.

NOTE

Tie start knot of all lacing cords at first cavity support fitting before installing fuel tank to ease lacing procedure.

- d. Fold and insert tank (WP021 00).
- e. After positioning tank in cavity, remove pressure sensitive tape from cavity fittings.





Technical Petrolatum, VV-P-236

1

- f. Lubricate new packings with petrolatum before installation.
 - g. For alignment of tubes, refer to WP013 00.

WARNING

Make sure improved couplings (W901K, W904K, 14J12 or 14C12) are installed where flagnoted on procedure to maintain aircraft safety in flight.

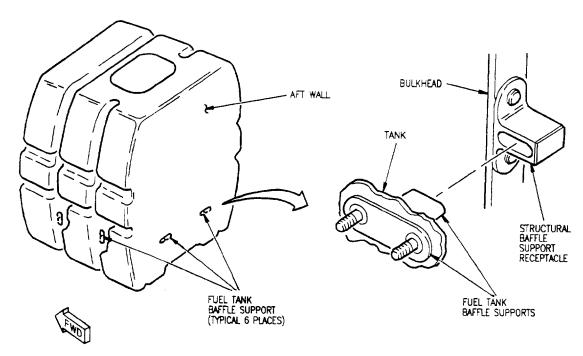
- h. Install improved couplings (W901K, W904K, 14J12 or 14C12) where flagnoted on procedure. (QA)
- i. Inspect baffle assembly form in place seals for damage (WP020 05).
- j. Unless covered by form in place seal, electrical bond holes in baffle assembly where indicated by symbol (EB) (A1-F18AC-LMM-000).
- k. When a sequence is completed inspect applicable tasks listed below for compliance: (QA)
 - (1) Specific torque callouts.
 - (2) Items safetied with lockwire.
 - (3) Foreign objects removed.
 - (4) Coupling condition and security.
- (5) Tube/line condition and security, and torque if printed on tube/line.
 - (6) Fuel tank (bladder) condition.

- 2. INSTALLATION.
- 3. SEQUENCE 1.



To prevent damage to fuel tank, make sure fuel tank baffle supports are installed in baffle support receptacles.

a. Make sure fuel tank baffle supports are installed in baffle support receptacles (two on aft tank wall and two each on left and right side of tank.)



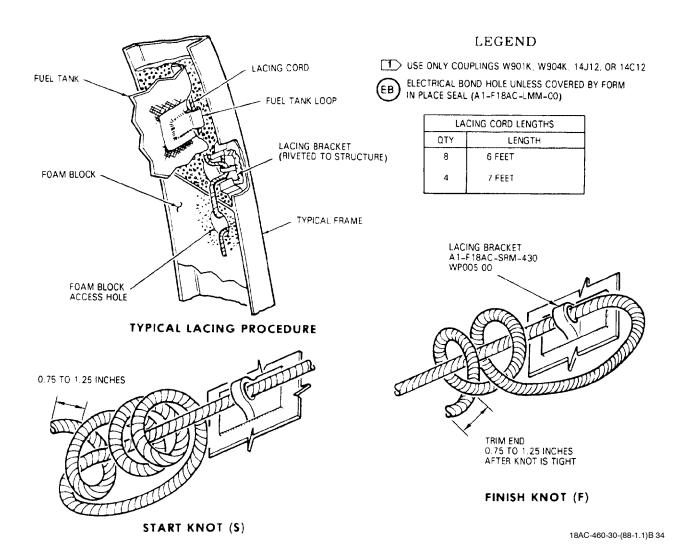
18AC-460-30-(88-1)B-SCAN 32

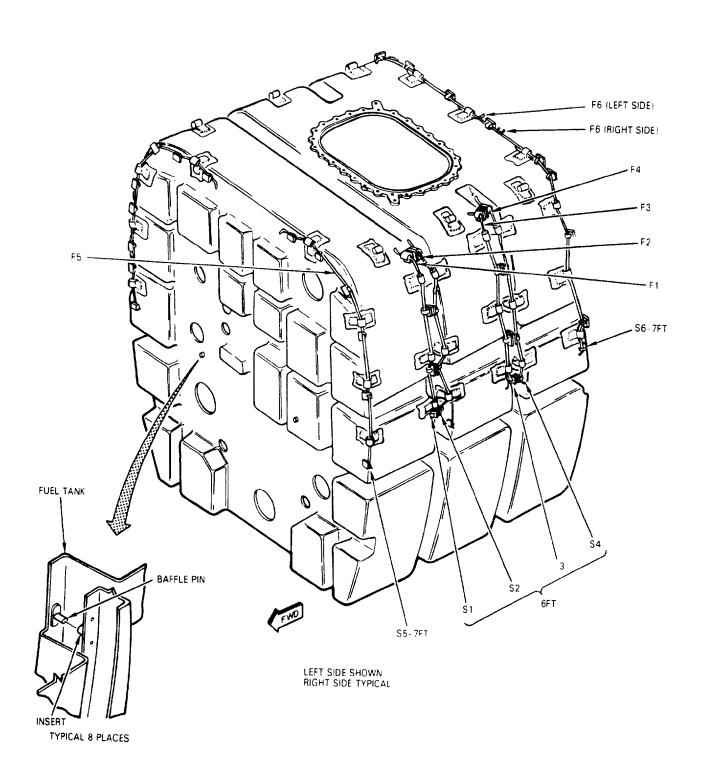
CAUTION

To prevent damage to fuel tank be careful when trimming lacing cords.

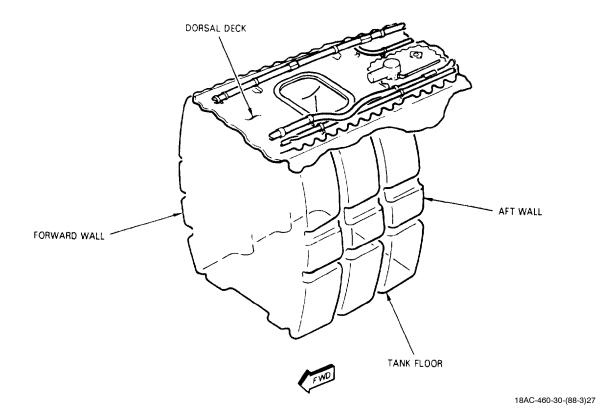
b. Cut lacing cords per chart below and prepare lacing cord ends (WP013 00).

- c. Install lacing cord ends following sequence numbers shown on the following page.
- d. Always pull cord completely through lacing bracket and fuel tank loop before starting into next fitting or loop.
 - e. Lace left side of tank the same as right side.
- f. Limit lacing cord length to 0.75 to 1.25 inches past knot.





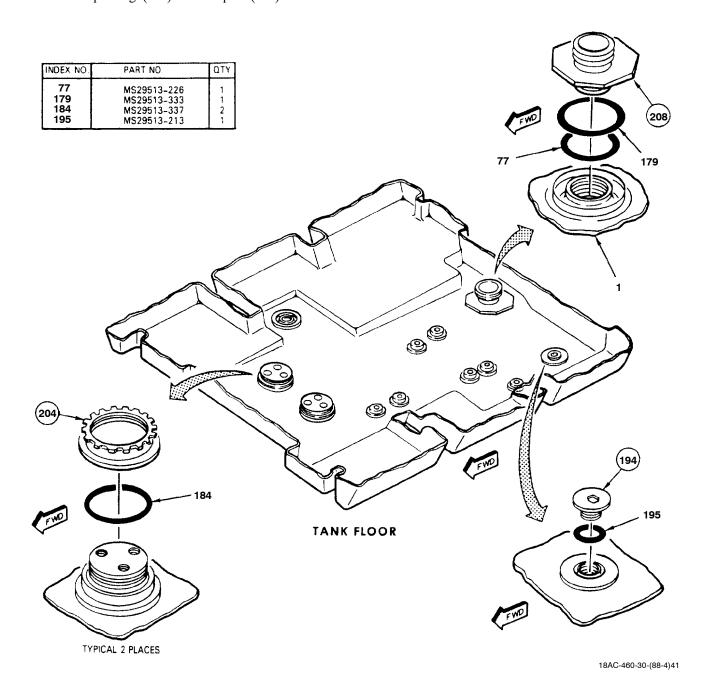
4. SEQUENCE 2.



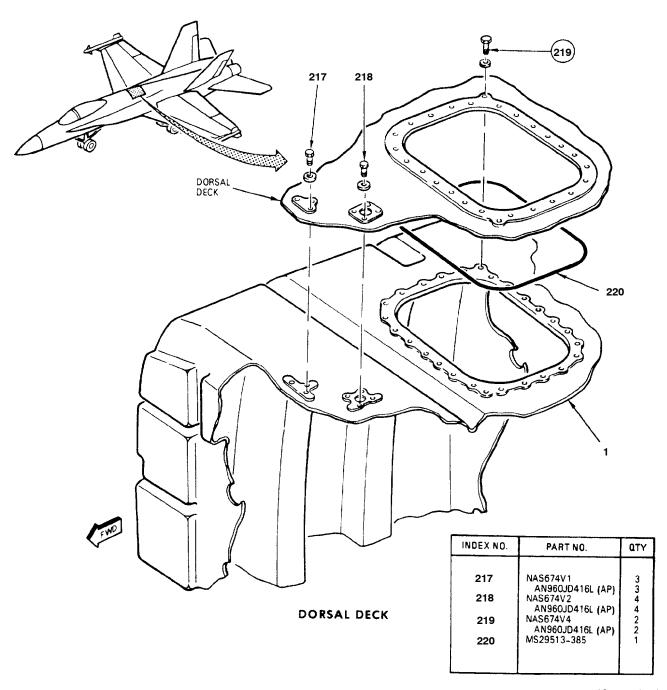
Page 8

- a. Install packing (184) and nut (204) and verify running and final torque (WP013 00). (QA)
 - b. Install packing (195) and adapter (194).

a. Install packing (184) and nut (204) and verify c. Install packing (77 and 179) and retainer (208).

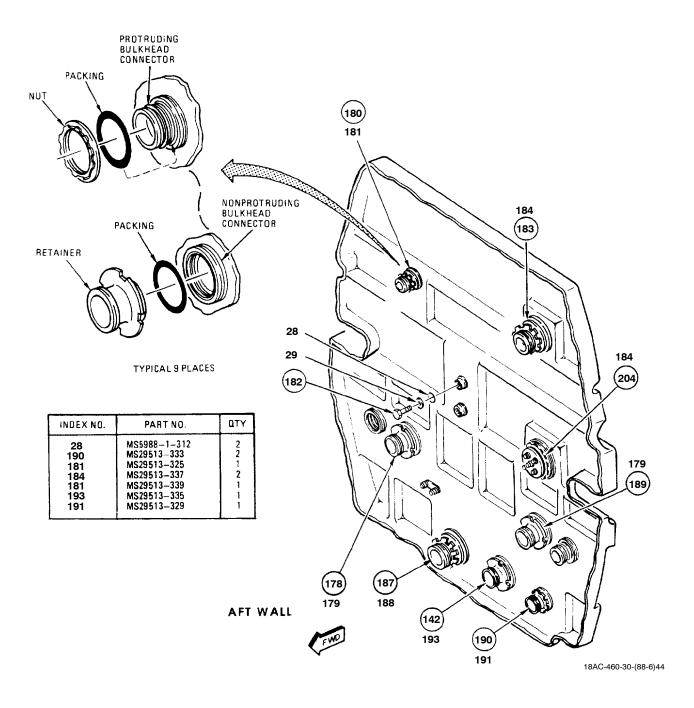


- d. Prepare bolts (219) and washers for electrical bond (A1-F18AC-LMM-000).
- e. Install bolts (217, 218 and 219), packing (220) and attaching parts.

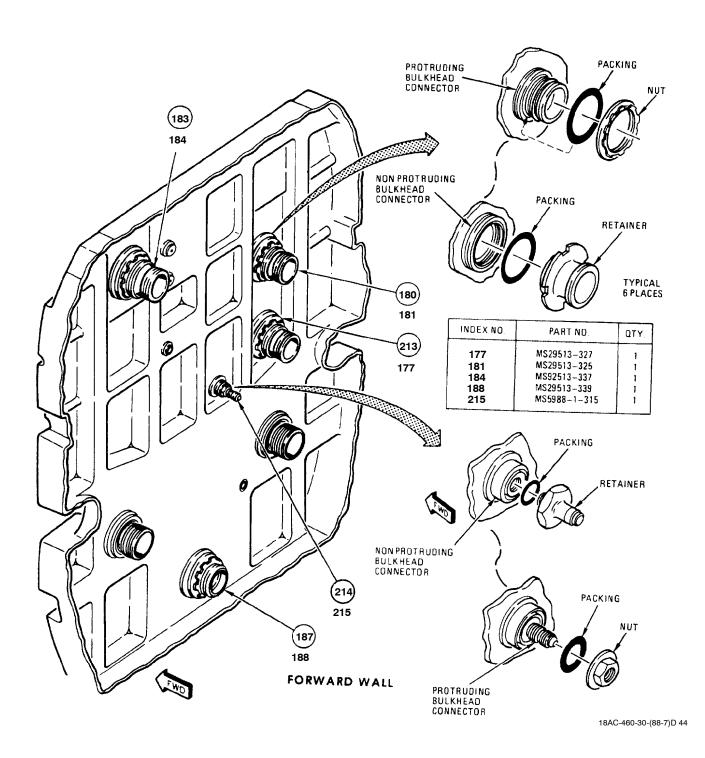


18AC-460-30-(88-5)44

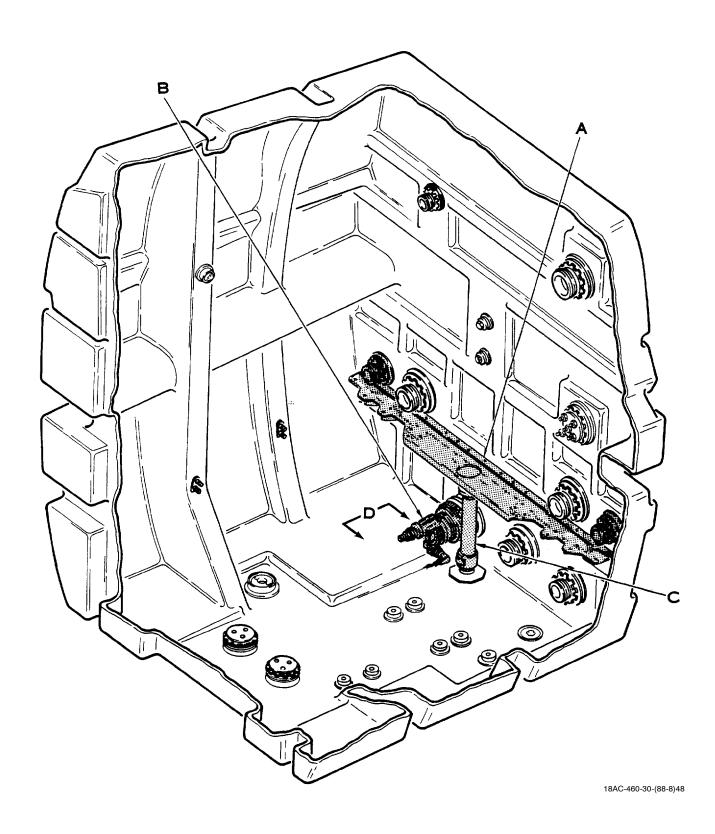
- f. Install packings (28, 179, 181, 184, 188, 191 and 193).
- g. If retainers are being installed, prepare retainers (178, 187 and 190) for electrical bond (A1-F18AC-LMM-000).
- h. Install nuts or retainers (178, 180, 183, 187, 189, 190 and 192) and nut (204). Verify running torque and final torque (WP013 00). (QA)
- i. Install washers (29) and bolts (182). Seal bolt (182) threads (WP013 00). (QA)



- j. Install packings (177, 181, 184, 188 and 215).
- k. If retainer (187) is belong installed prepare for electrical bond. (A1-F18AC-LMM-000).
- l. Install nuts or retainers (180, 183, 187, 213 and 214) and verify running torque and final torque (WP013 00). (QA)



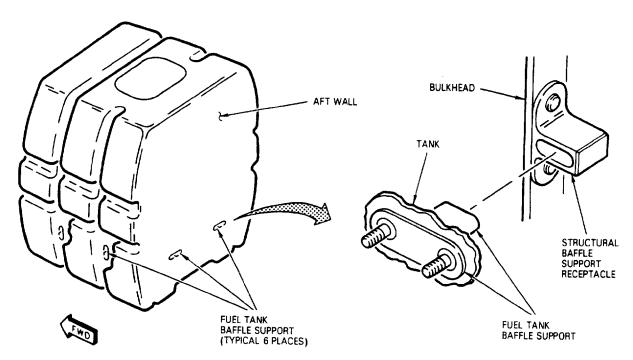
5. **SEQUENCE 3**.





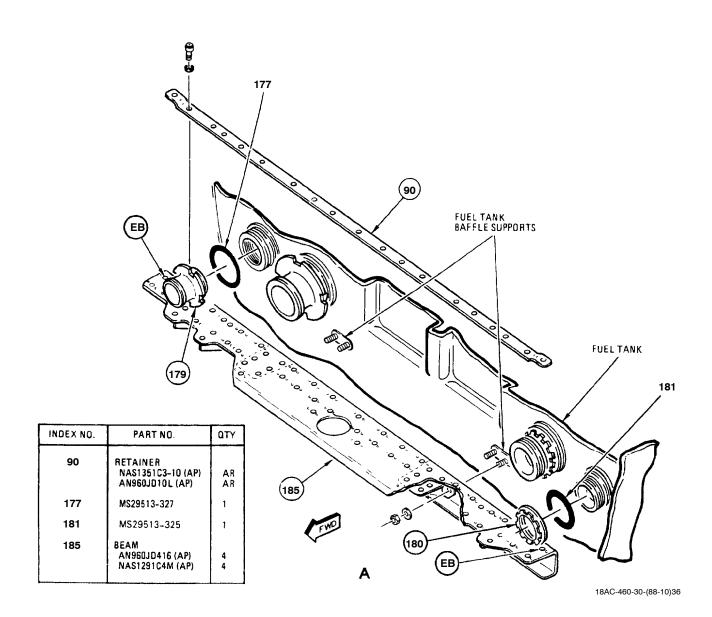
To prevent damage to fuel tank, make sure fuel tank baffle supports are installed in baffle support receptacles.

a. Make sure fuel tank baffle supports are installed in baffle support receptacles (two on aft tank wall and two each on left and right side of tank) before installing baffle structure around periphery of tank.

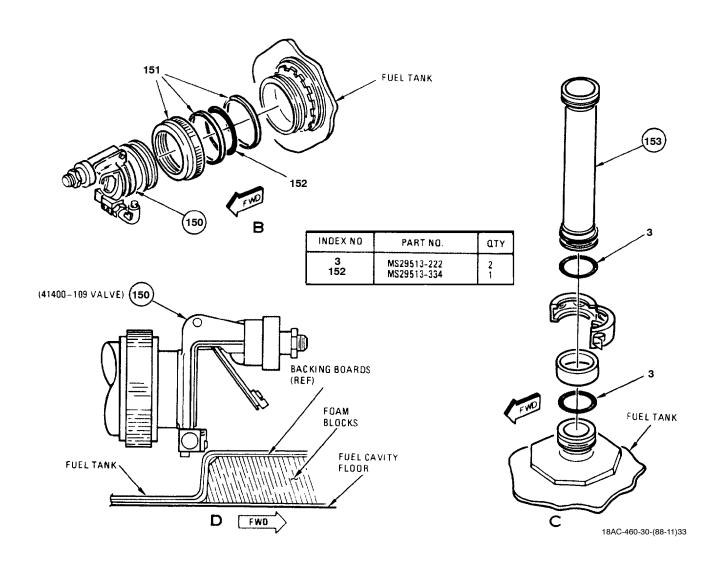


18AC-460-30-(88-9)24

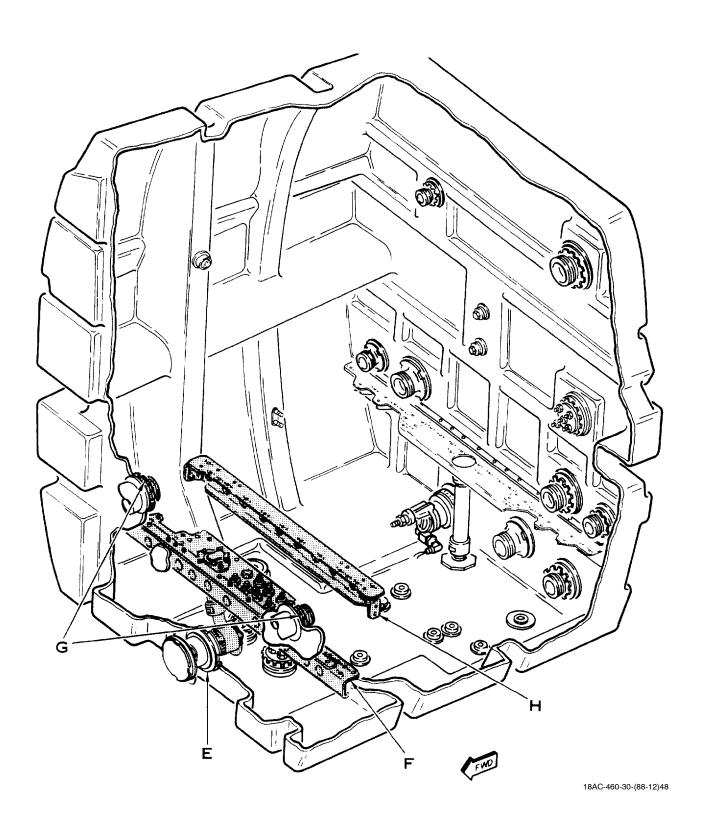
- b. Install beam (185) and attaching parts. Torque beam (185) nuts 50 to 60 inch-pounds. (QA)
- c. Install retainer (90) and attaching parts. Do not install end screws in retainer (90).
- d. Install packings (177 and 181), retainer (179) and nut (180). Verify running torque and final torque (WP013 00). (QA)



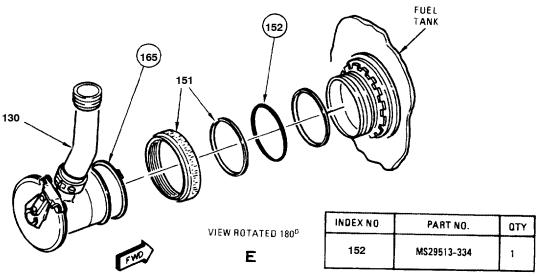
- e. Install packing (152) and valve (150). Tighten nut assembly (151) handtight.
- f. If 41400-109 valve (150) was installed, inspect per substeps below:
- (1) Inspect valve (150) for contact with fuel tank (view D).
- (2) If 41400-109 valve contacts fuel tank, replace with 41400-111 valve.
- g. Install packings (3), tube (153) and related parts.



6. SEQUENCE 4.

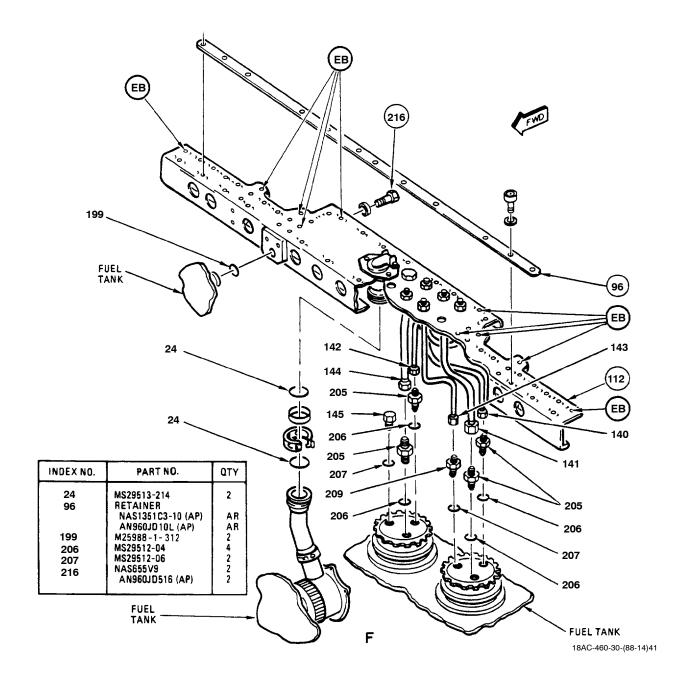


a. Install packing (152), valve (165) and related parts. Tighten nut assembly (151) handlight.

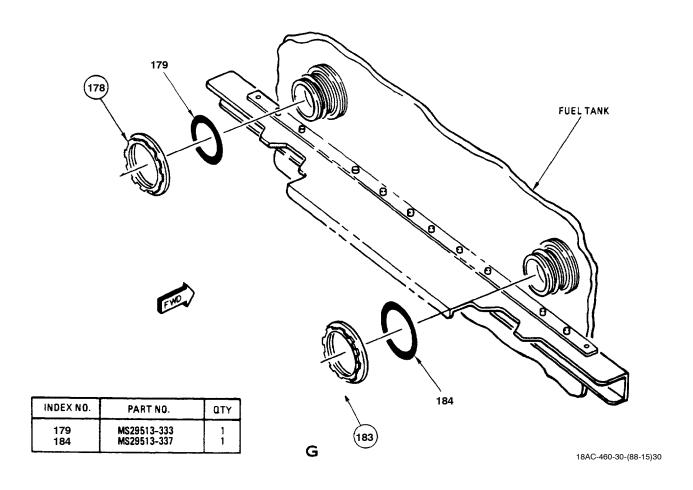


18AC-460-30-(88-13)22

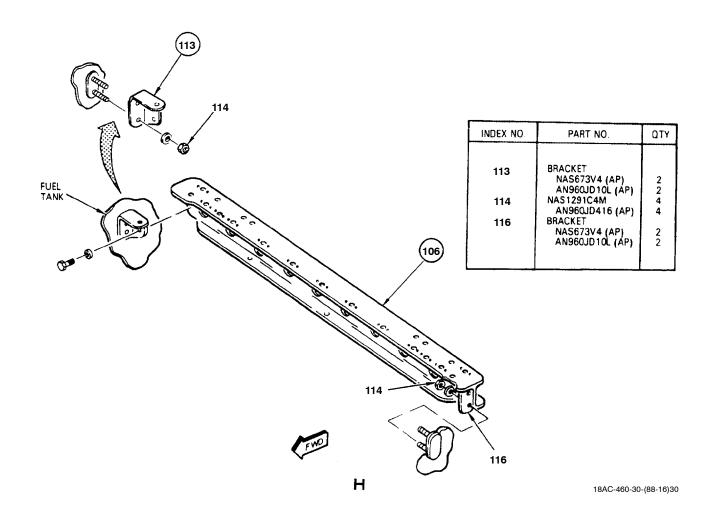
- b. Install packings (206 and 207), nipples (205), plug (145) and reducer (209).
 - c. Install packings (24 and 199).
- d. Prepare bolts (216) and washers for electrical bond (A1-F18AC-LMM-000).
- e. Install beam (112), bolts (216) and washers and connect tubes (140, 141, 142, 143 and 144). Seal bolt (216) threads (WP013 00). (QA)
- f. Install retainer (96) and attaching parts. Do not install end screws in retainer (96).



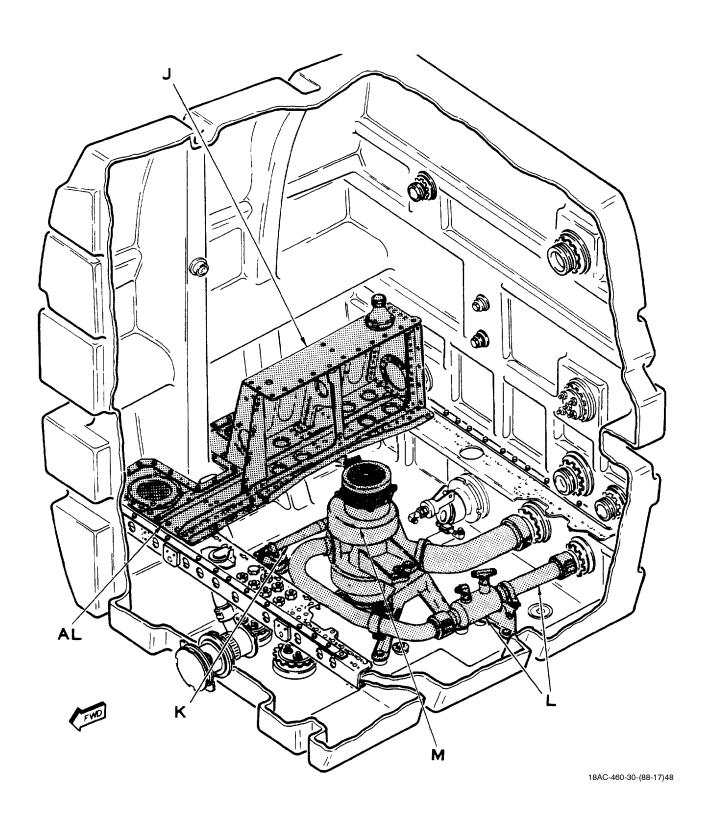
g. Install packings (179 and 184) and nuts or retainers (178 and 183) and verify running torque and final torque (WP013 00). (QA)

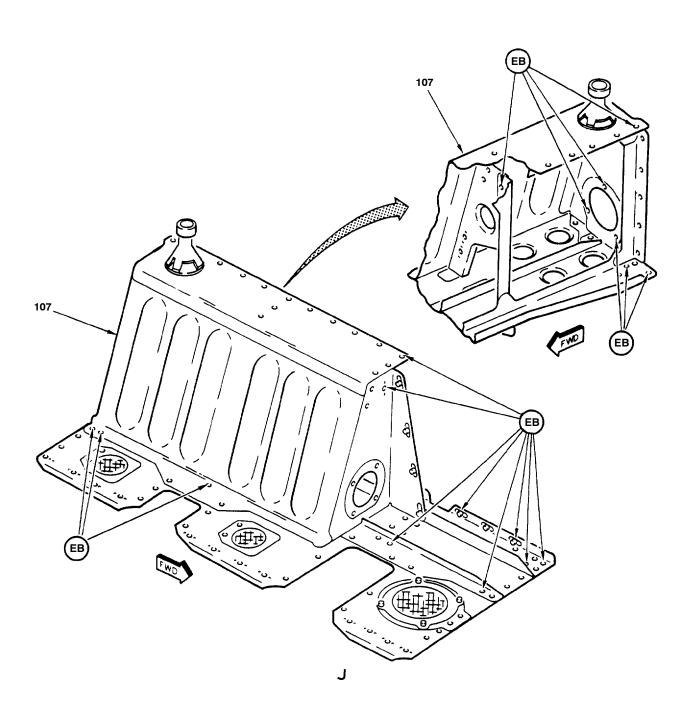


- h. Install right bracket (113) on tank with nuts (114) and washers. Torque nuts 50 to 60 inch-pounds. (QA)
- i. Position beam (106) with bracket (116) and install with nuts (114) and attaching parts. Torque nuts 50 to 60 inch-pounds. (QA)



7. SEQUENCE 5.



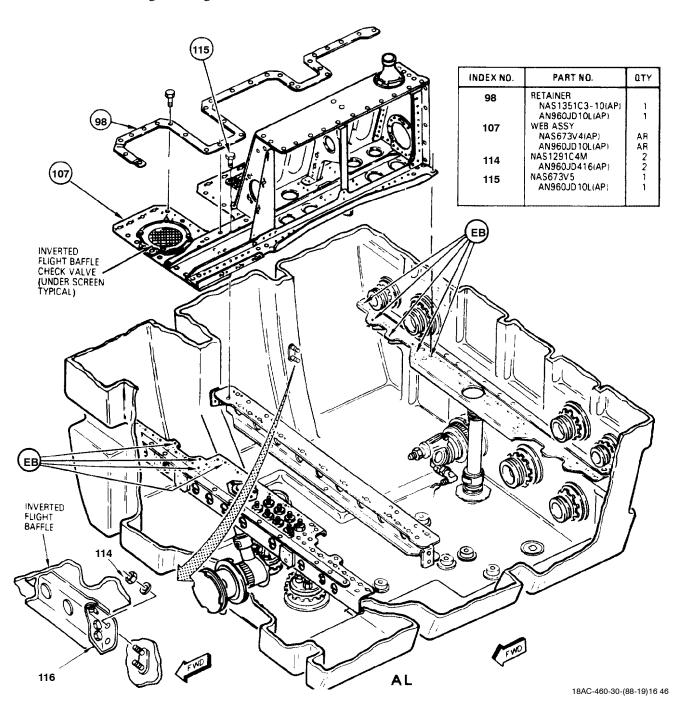


CAUTION

Install web carefully to avoid damaging tank or components.

Damage to inverted flight baffle check valves can occur if web is rested on check valves. Use caution when handling or storing webs.

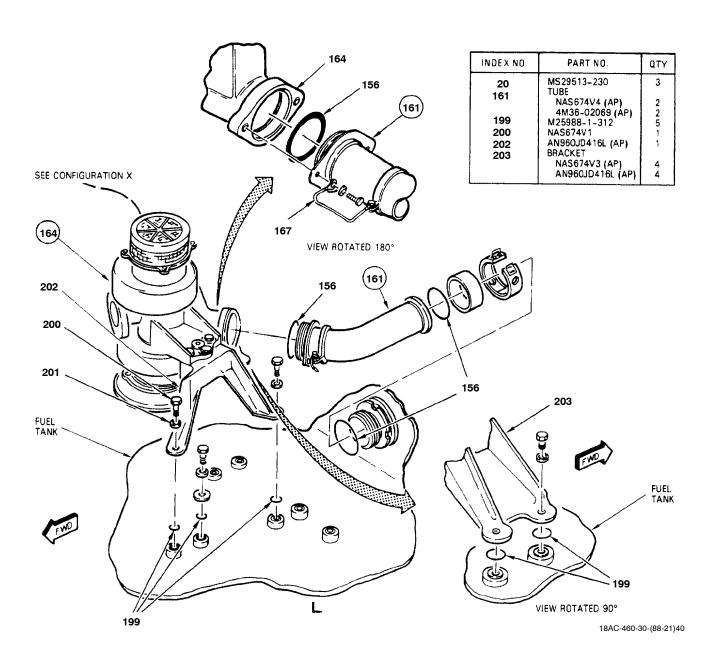
- a. Position right web (107) and install bolt (115) and attaching parts. Install nuts and washers (114) on bracket (116). Torque nuts (114) 50 to 60 inch pounds. (QA)
 - b. Install retainer (98) and attaching parts.



c. Install packings (24, 173 and 174), spacer (175), ejector (146) and attaching parts. Seal ejector bolt threads (WP013 00). (QA)

INDEX NO.	PART NO.	QTY	
24 146	MS29513-214 EJECTOR NAS673V32 (AP)	2 2 2 2	24
174 173	NAS673V32 (AP) AN960JD10L (AP) MS29513-015 MS29513-329	2	O O
		174 — 175 — 174 — 173 —	FUEL TANK
			18AC-460-30-(88-20)33

- d. Install packing (199), washer (201), bolt (200) and washer. Seal bolt (200) threads (WP013 00). (QA)
- e. Prepare brackets (202 and 203) and attaching parts for electrical bond (A1-F18AC-LMM-000).
- f. Install packings (156 and 199), tube (161) with electrical lead (167), pump (164), brackets (202 and 203) and attaching parts. Seal bracket (202 and 203) bolt threads (WP013 00). (QA)





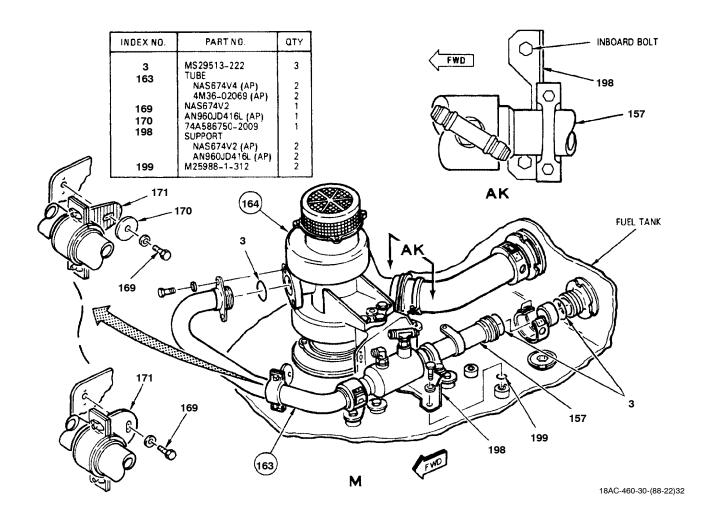




Sealing Compound, MIL-S-8802, Class A 1/2

g. Apply sealing compound to support (198) both bolt threads (WP013 00). (QA)

- h. Apply sealing compound to support (198) inboard bolt threads (detail AK) (step 1).
- i. Install packings (3 and 199), tube (163) and wash filter (157) with support (198) and attaching parts.



- j. Install serrated washer (168) on strap (171).
- k. Install clamp (171) and bolt and washer (169).
- l. Seal support (198) inboard bolt threads per substeps below:









Isopropyl Alcohol, TT-I-735

4



Support bolt should be sealed at bolt threads to prevent fuel leaks.

(1) Clean bolt threads with cheesecloth moistened with isopropyl alcohol. Wipe with clean, dry cheesecloth

before alcohol evaporates. Repeat procedure until no visible contamination remains.

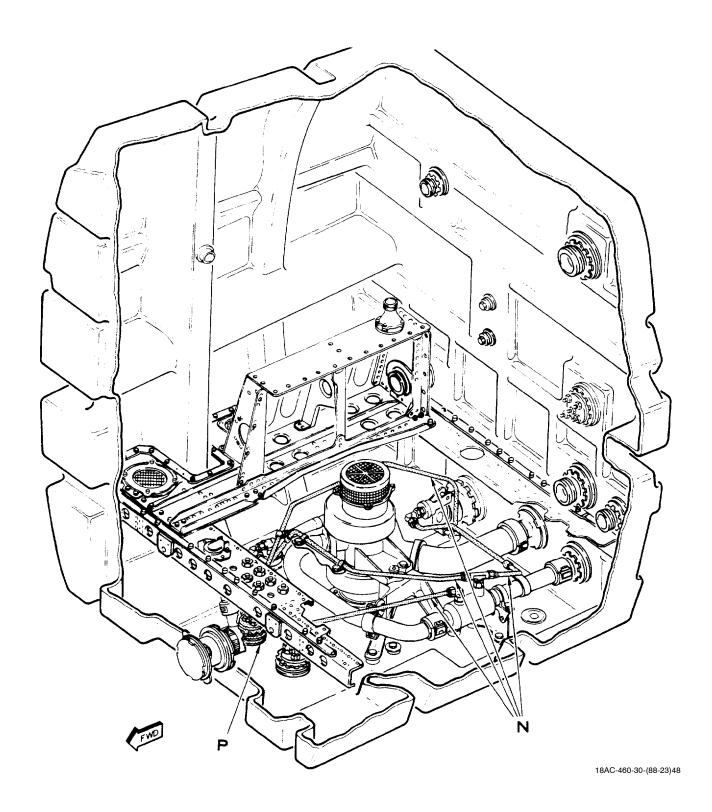


To prevent fuel leaks sealing compound should not contact fuel tank or cavity fitting packing sealing surfaces.

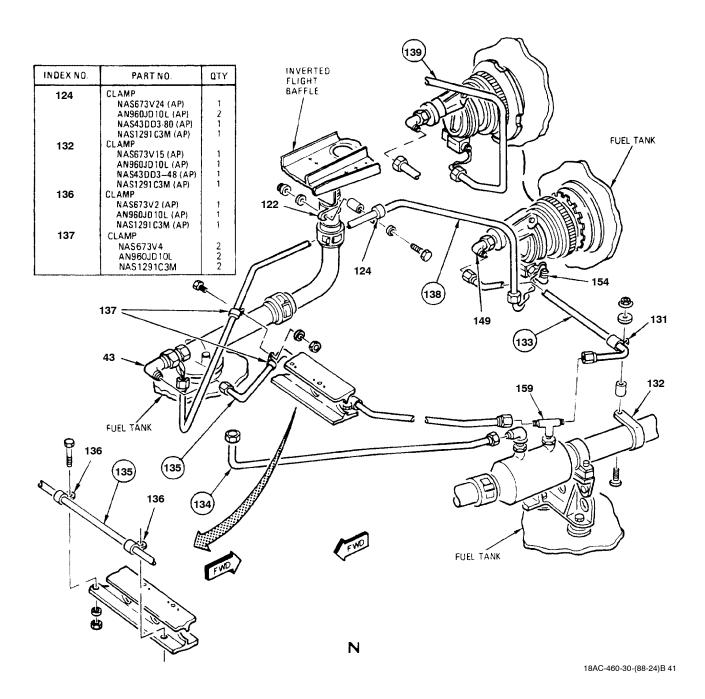
Sealing compound shall be lightly applied to threads of bolt to prevent filling fitting bolt hole full of sealing compound.

- (2) Lightly coat threads of bolt with sealing compound, then install bolt.
- (3) Remove excess sealing compound with cheesecloth moistened with isopropyl alcohol.

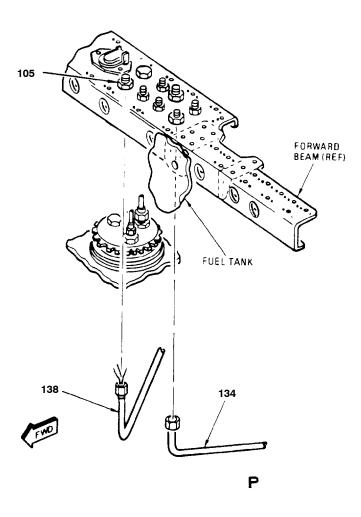
8. SEQUENCE 6.



- a. Prepare elbow (154) and tube (138 or 139) for electrical bonding (A1-F18AC-LMM-000).
- b. Tie wires to lacing tape in tube (138 or 139) then carefully pull lacing tape through tube. Until lacing tape from wires.
- c. Install tube (138 or 139), clamps (122 and 124) and attaching parts. Torque tube 70 to 120 inchpounds. (QA)
- d. Prepare elbows (149 and 43), tube (135) and tee (159) for electrical bonding (A1-F18AC-LMM-000).
- e. Install tubes (133, 134 and 135). Connect clamps (131, 132, 136 and 137) and attaching parts.

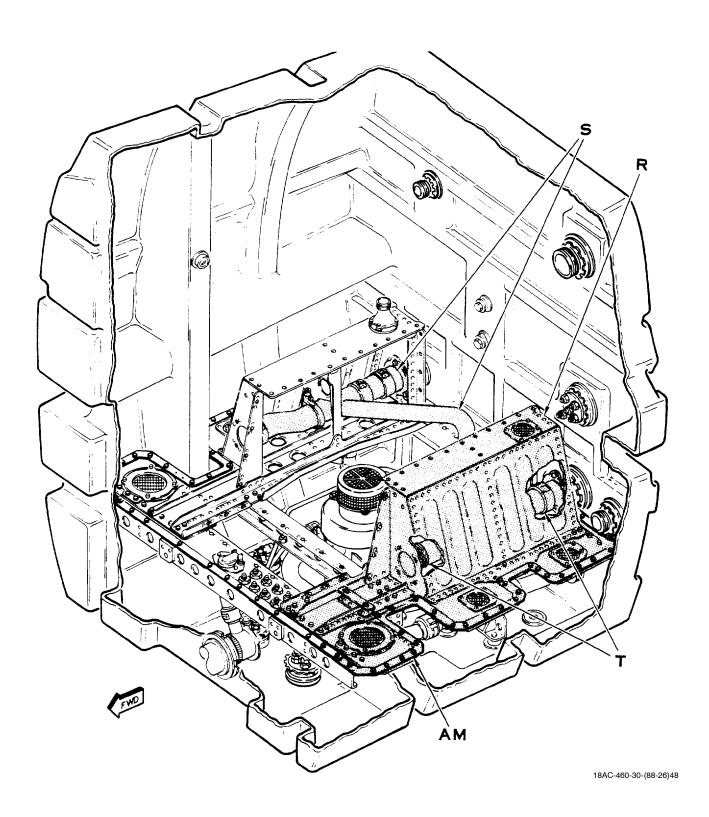


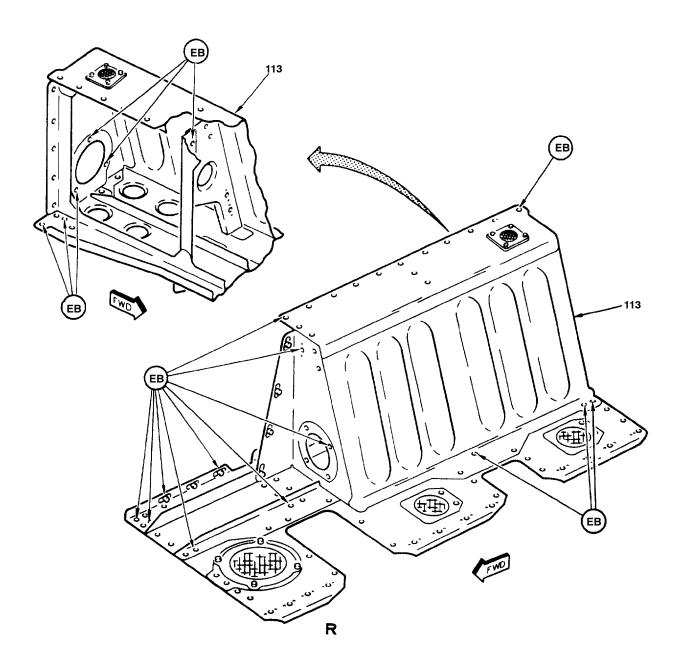
- f. Prepare nipple (105) and tube (138) for electrical bonding (A1-F18AC-LMM-000).
- g. Route wires and connect tubes (134 and 138). Torque tube (138) 70 to 120 inch-pounds. (QA)



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9. **SEQUENCE 7**.



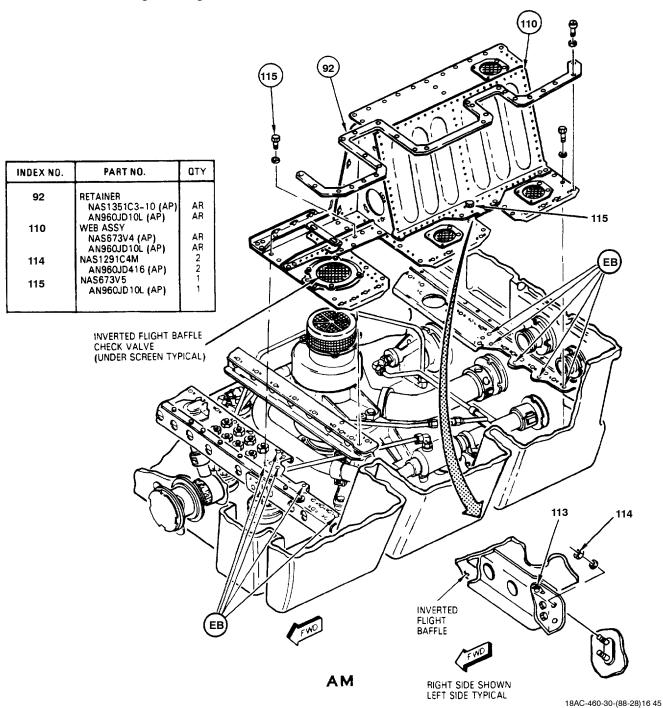


CAUTION

Install web carefully to avoid damaging tank or components.

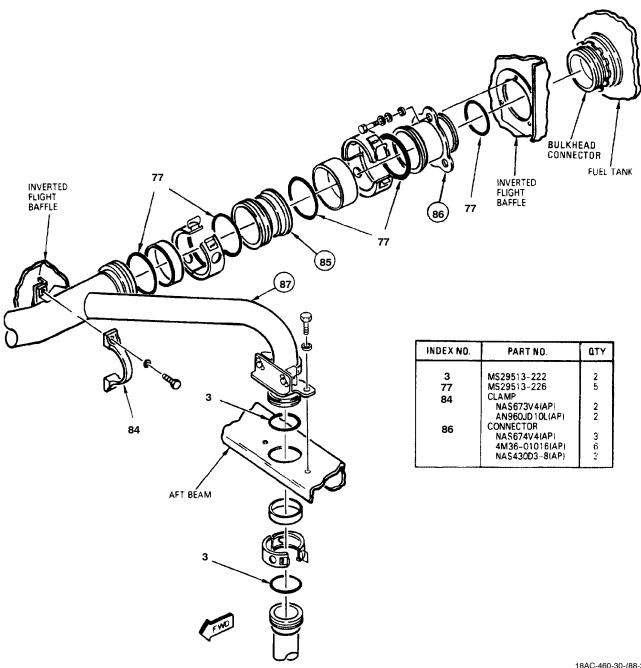
Damage to inverted flight baffle check valves can occur if web is rested on check valves. Use caution when handling or storing webs.

- a. Position left web (110) and install bolt (115) and attaching parts. Install nuts and washers (114) on bracket (113). Torque nuts 50 to 60 inch pounds.
 - b. Install retainer (92) and attaching parts.



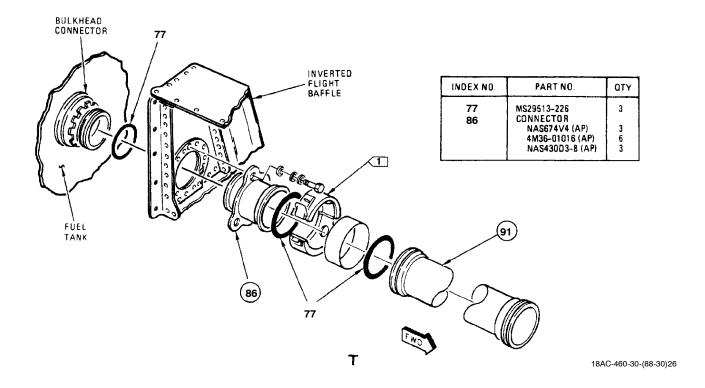
c. Install packing (77), slide connector (86) onto bulkhead connector and install attaching parts.

d. Install packings (3 and 77), tube (85), manifold (87), and related parts.

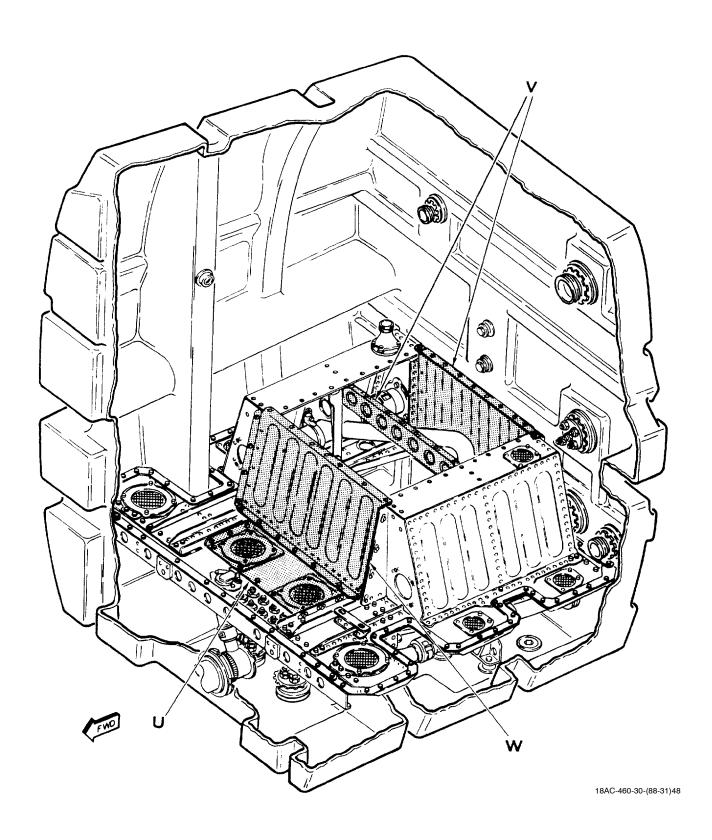


18AC-460-30-(88-29)46

- e. Install packing (77), slide connector (86) on bulkhead connector and install attaching parts.
- f. Install packings (77), tube (91) and related parts.



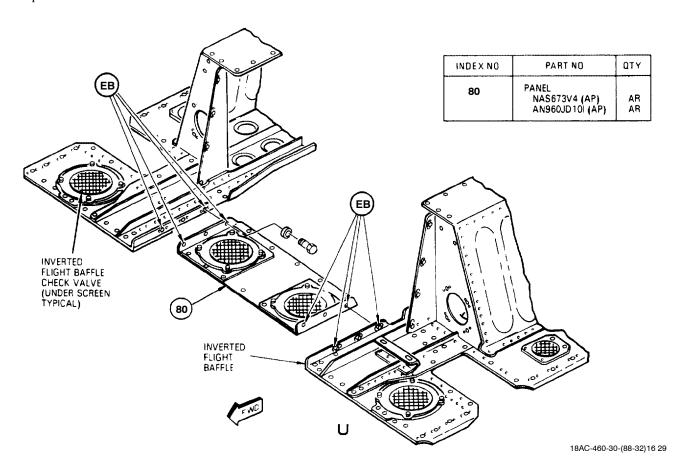
10. SEQUENCE 8.





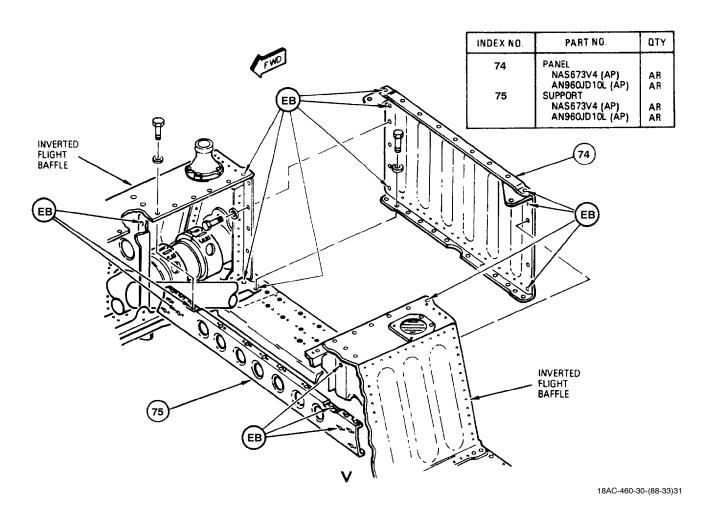
Install panel carefully to avoid damaging tank or components.

Damage to inverted flight baffle check valves can occur if panel is rested on check valves. Use caution when handling or storing panels. a. Install panel (80) and attaching parts.

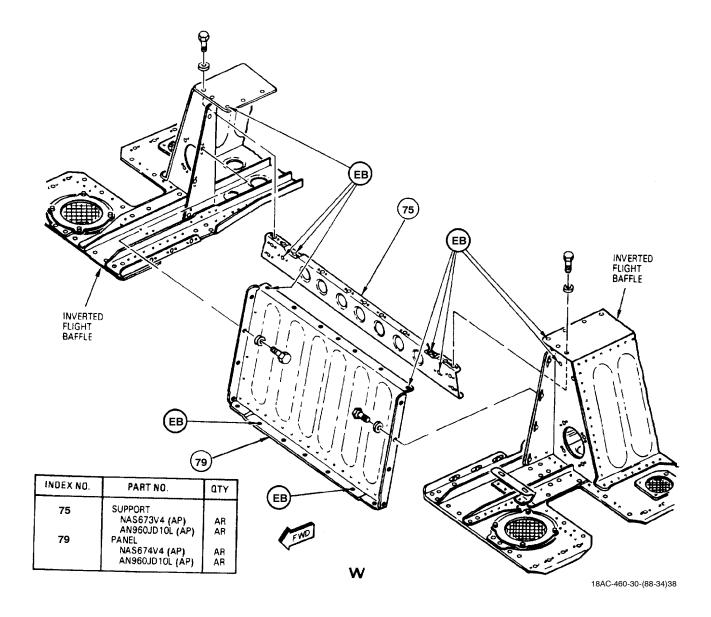


b. Install panel (74) and attaching parts.

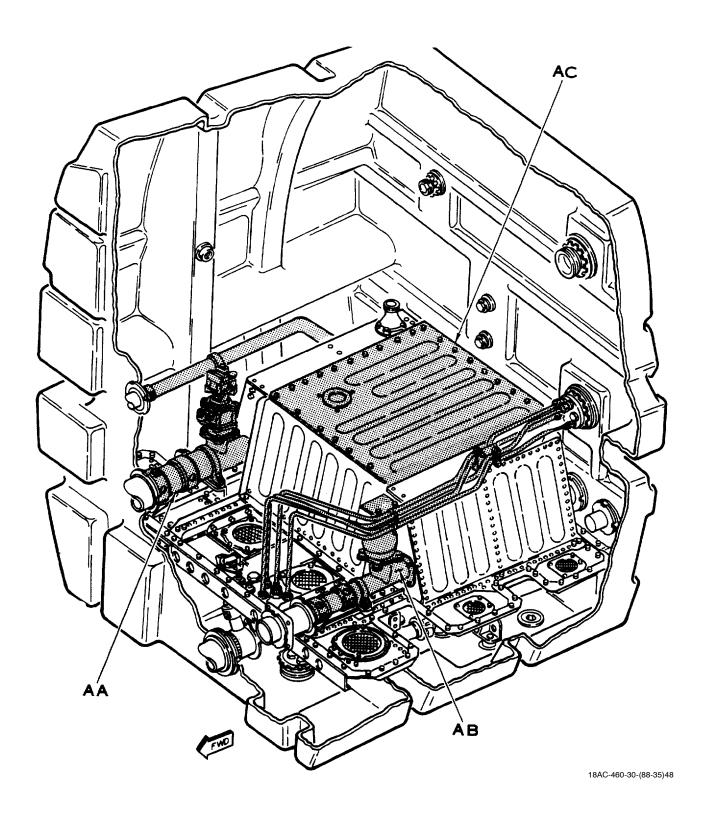
c. Install support (75) and attaching parts.



- d. Install support (75) and attaching parts.
- e. Install panel (79) and attaching parts.



11. SEQUENCE 9.



a. Install packings (21, 55, and 71).

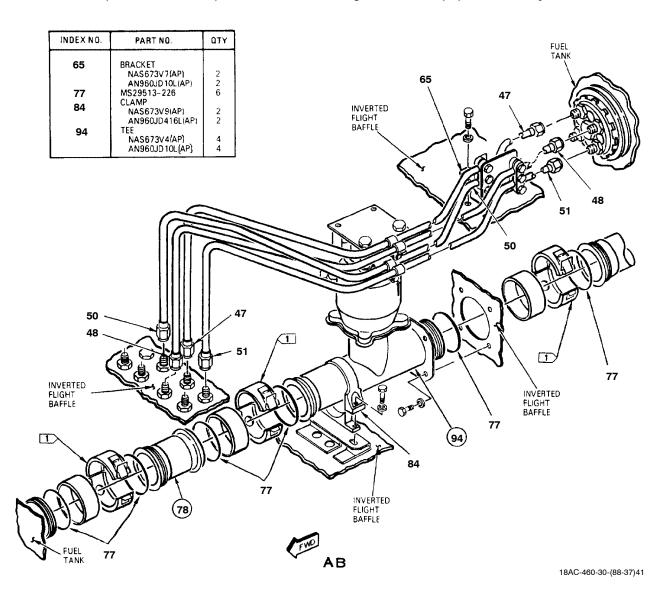
b. Install reducer (97), clamps (61 and 99) and related parts. Install spacer (59) and adjust shim (60), as required, to provide proper alignment between tube (56) and bulkhead retainer.

c. Install tube (81) and related parts.

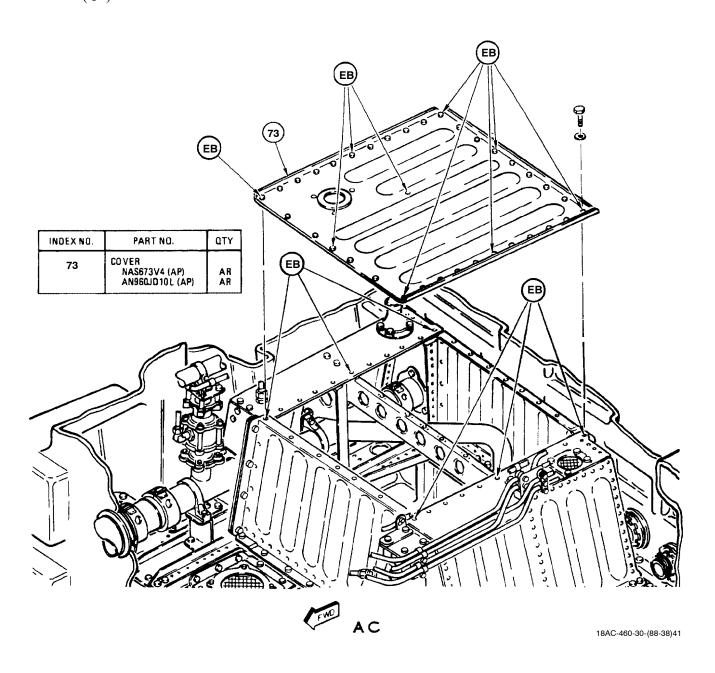
	INDEX NO.	PART NO.	ατγ.
INVERTED	21	MS29513-230	4
// FLIGHT	55	MS29513-218 CLAMP	4
BAFFLE	61	NAS673V11*(AP) NAS673V9(AP)	1 1
59		AN960JD10L(AP)	1 2 1
No.	77 97	MS29513-226 REDUCER	2
60		NAS673V4(AP) AN960JD10L(AP)	4 4
	99	CLAMP	2
61		NAS673V9(AP) AN960JD10L(AP)	2 2
	L		
	* USE WITH SH	IM	
56		$\overline{}$	INVERTED FLIGHT
			BAFFLE
		$\langle \langle \langle \rangle \rangle \rangle \sim$	
BULKHEAD CONNECTOR VIEW ROTATED 180°			
VIEW ROTATED 180°	,		
			1
55	-4-1114		•
RETAINER		/	
FUEL	(A)	\ /	
TANK		77	
		• • • • • • • • • • • • • • • • • • • •	
	97		
	`99		
)		
21			
(81)			
FUEL 21 AA			
TANK 21		18	AC-460-30-(88-36)14 44

- d. Install packings (77), tee (94), clamp (84) and related parts.
 - e. Connect tubes (47, 48, 50 and 51).

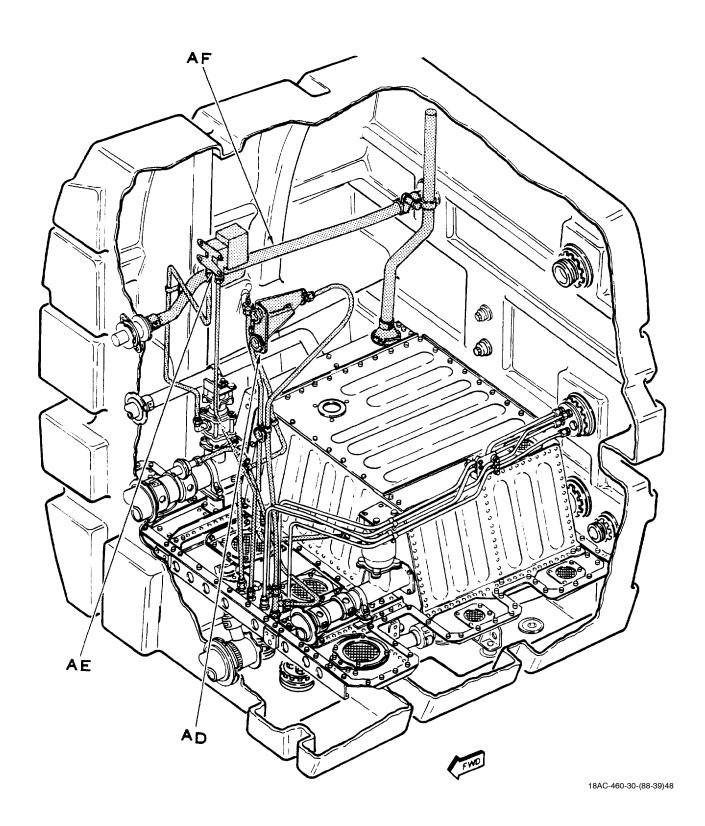
- f. Install attaching parts to bracket (65).
- g. Install tube (78) and related parts.



- h. Inspect for and remove any foreign objects bei. Install cover (73) and attaching parts. low baffle. (QA)



12. **SEQUENCE 10**.

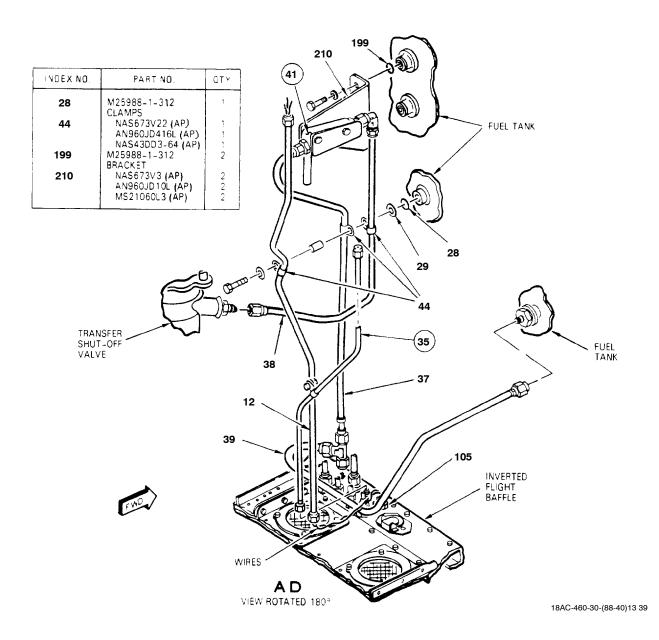


CAUTION

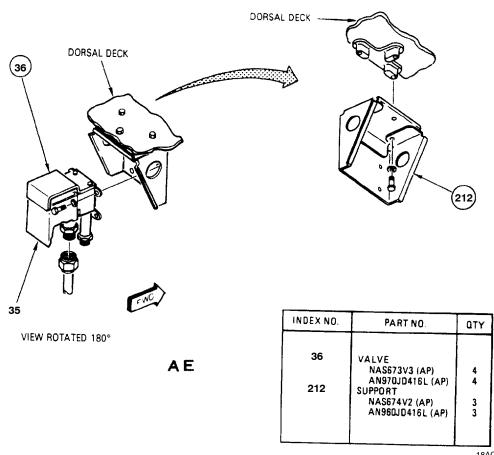
To prevent damage to wires, carefully pull wires through related components.

- a. Tie lacing tape in tube (12) to wires. Carefully pull lacing tape through tube until wires are visible. Untie lacing tape from wires.
- b. Prepare attaching parts of bracket (210) for electrical bonding (A1-F18AC-LMM-000).

- c. Install packings (28 and 199), sensor (41) with bracket (210), attaching parts and connect tubes (37, 38 and 39). Seal bracket bolt threads (WP013 00). (QA)
- d. Connect tubes (12 and 35) and install clamps (44), washer (29) and attaching parts. Seal clamps bolt threads (WP013 00). (QA)
- e. Torque conduit tube (12) 130 to 180 inchpounds. (QA)



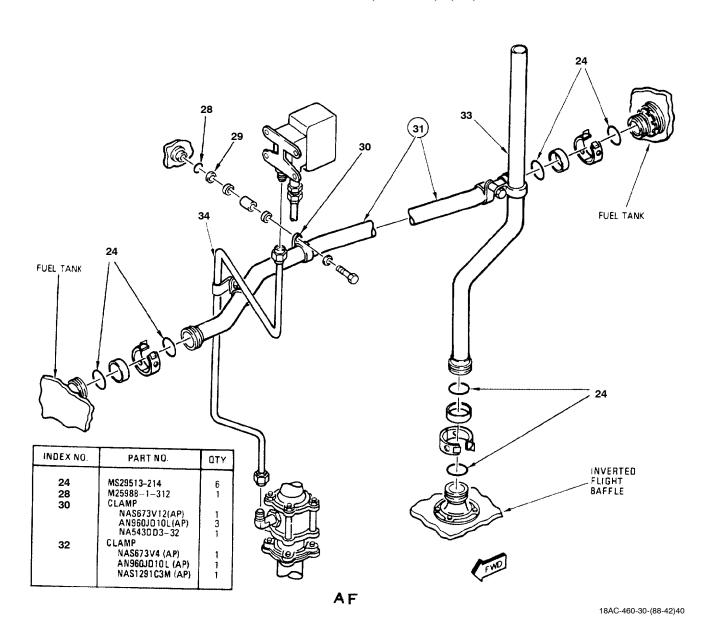
- f. Prepare attaching parts of support (212) and valve (36) for electrical bonding (A1-F18AC-LMM-000).
- g. Install support (212), valve (36) and related parts.
 - h. Connect tube (35).



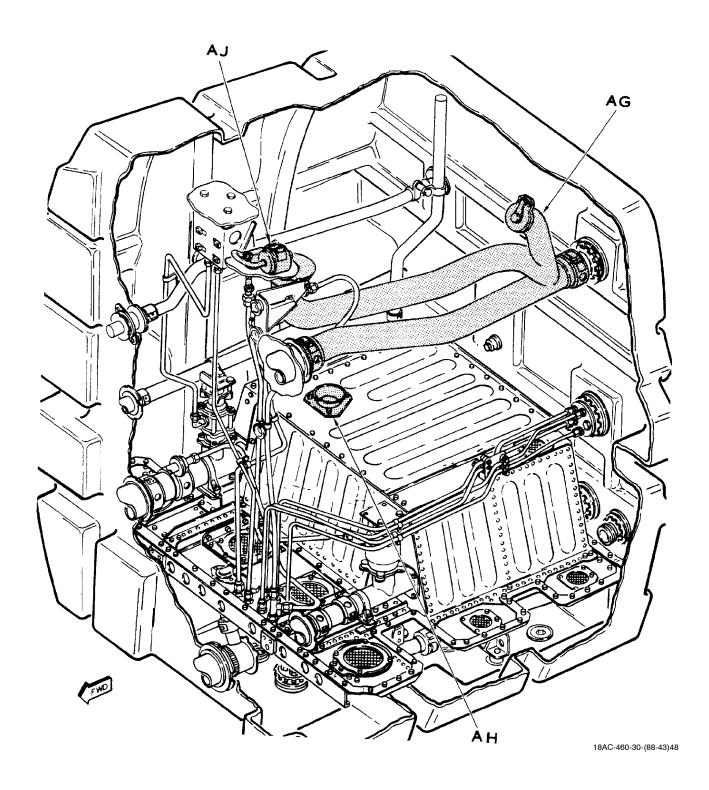
18AC-460-30-(88-41)34

i Install packings (24), tubes (31, 33 and 34) and related parts.

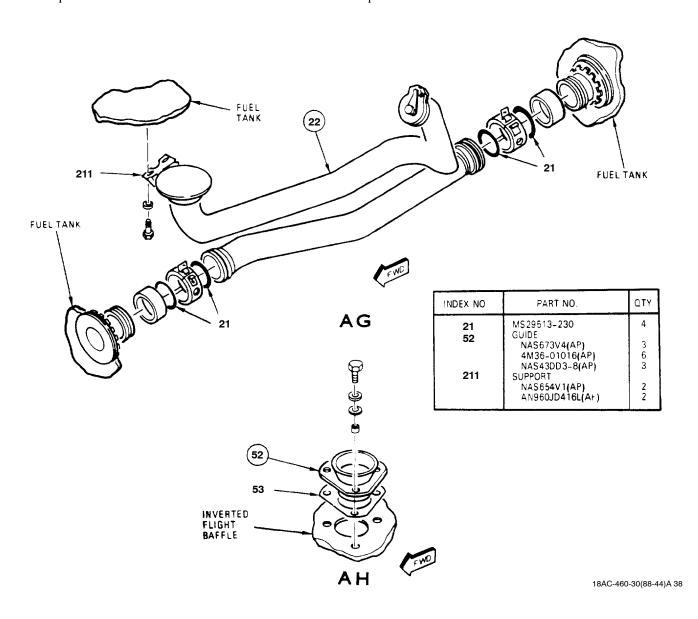
j. Install packing (28), clamp (30), washer (29) and attaching parts. Seal clamp (30) bolt threads (WP013 00). (QA)



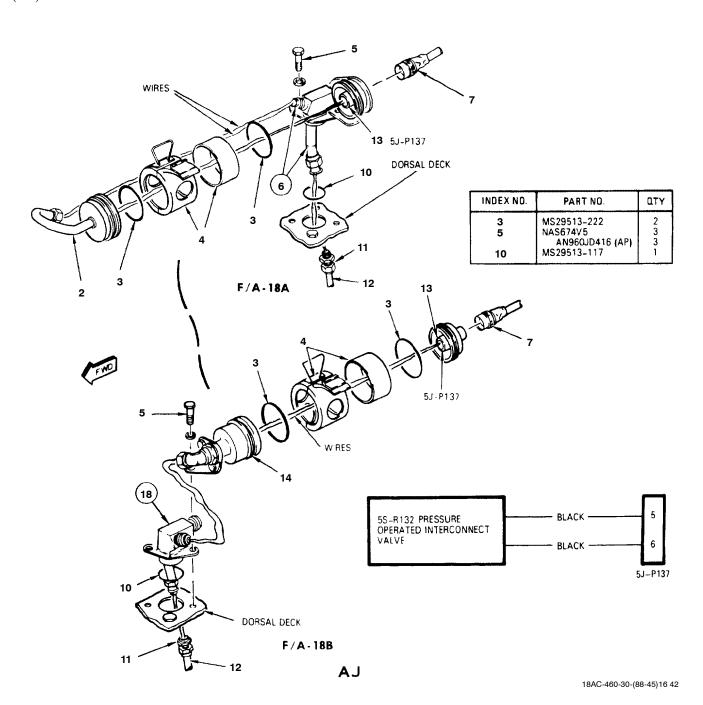
13. **SEQUENCE 11**.



- a. Install packings (21), vent assembly (22) and related parts.
- b. Install gasket with guide (52) and attaching parts.



- c. Prepare nipple (11), elbow (6 or 18), adapter (2 or 14), bolts (5) and washers for electrical bonding (A1-F18AC-LMM-000).
- d. Install packing (10) and route wire through elbow (6 or 18).
- e. Install elbow (6 or 18), bolts and washers (5) and connect elbow (6 or 18) to nipple (11). Torque elbow (6 or 18) and tube (12) to 60 inch-pounds. (QA)
- f. Route wires through adapter (2 or 14) and connect to pins 5 and 6 in connector (13).
- g. Install adapter (2 or 14), packings (3) and coupling (4).
 - h. Connect connector (7).



Page 51/(52 blank)

- i. Do fuselage fuel tank motive flow/transfer tubes coupling inspection (WP013 01). (QA)
- j. Install No. 2 fuel tank access cover (WP005 00).
- k. Connect both utility and emergency battery connectors (WP013 00) and remove no-power tag from external power receptacle.
- 1. Refuel aircraft (A1-F18AC-PCM-000). Let stand 24 hours and inspect for leaks at cavity drain.
- m. Do internal fuel tank transfer, engine feed and dump system test (A1-F18AC-460-200, WP012 00).

1 May 2001 Page 1/(2 blank)

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB IPB - NO. 2 FUEL TANK (5CAP509)

FUEL STORAGE SYSTEM

Title	WP Number
IPB - No. 2 Fuel Tank - 161353 THRU 161715 BEFORE F/A-18	
AFC 18 AND F/A-18 AFC 53	020 01
IPB - No. 2 Fuel Tank - 161716 AND UP	020 02
IPB - No. 2 Fuel Tank - 161353 THRU 161715 AFTER F/A-18	
AFC 18 F/A-18 AFC 53	020 06

Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

IPB - NO. 2 FUEL TANK (5CAP509)

FUEL STORAGE SYSTEM EFFECTIVITY: 161353 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 IAFC 017 Part 1 and Part 2	19 Jul 84	Fuel System Tank No. 4 Fuel Transfer Manifold, Modification of (ECP MDA-F/A-18-00084R1)	1 Jun 84	-
F/A-18 AFC 39	-	No. 1 Fuel Tank Interconnect Valve Replacement and Fuel Sequencing Modification (ECP MDA-F/A-18-00072C1)	15 Oct 86	-

1. ILLUSTRATED PARTS BREAKDOWN.

- 2. Removal procedure for No. 2 Fuel Tank is in WP018 01. Index numbers in this WP match those in WP018 01.
- 3. Installation procedure for No. 2 Fuel Tank is in WP019 01. Index numbers in this WP match those in WP019 01.
- 4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

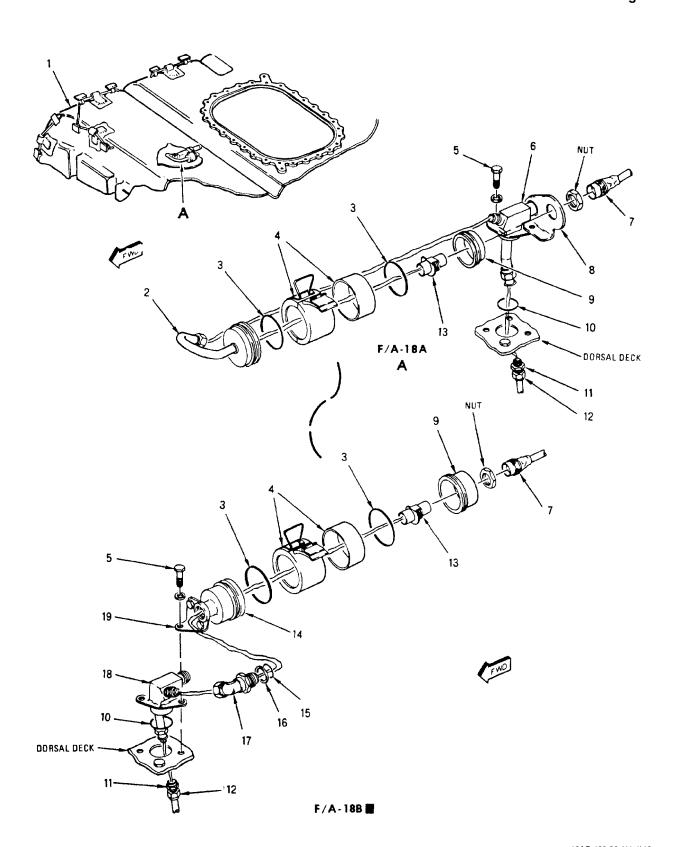


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 1)

18AC-460-30-(41-1)13

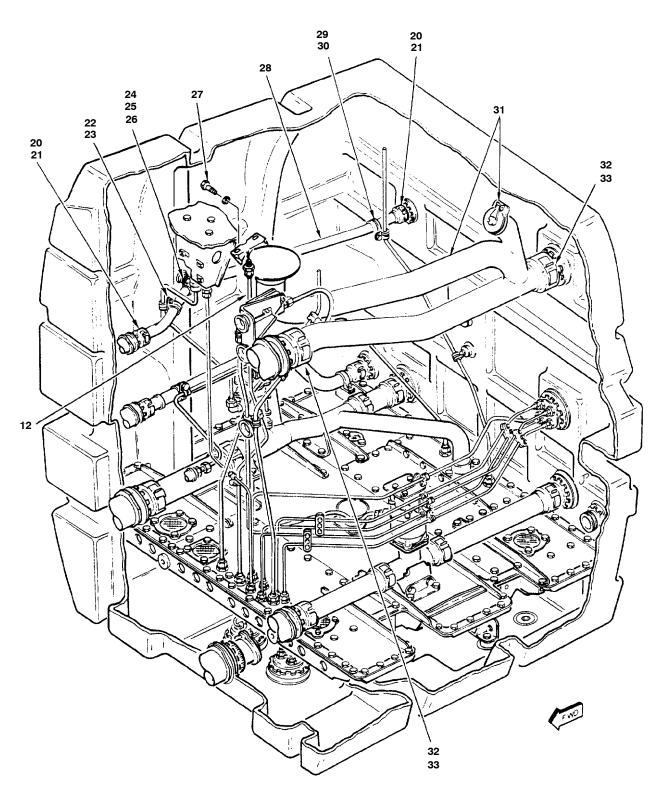


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 2)

18AC-460-30-(41-2)

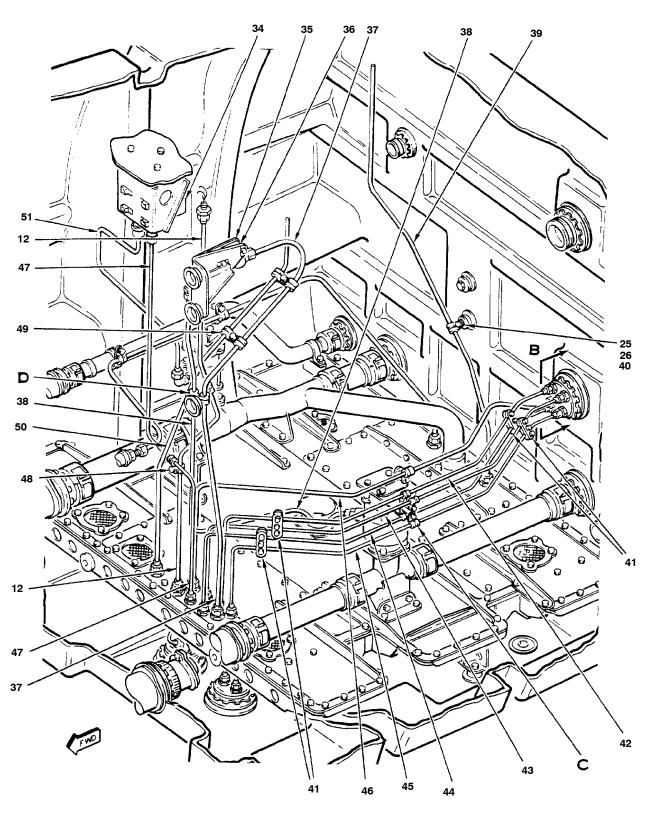


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 3)

18AC-460-30-(41-3)

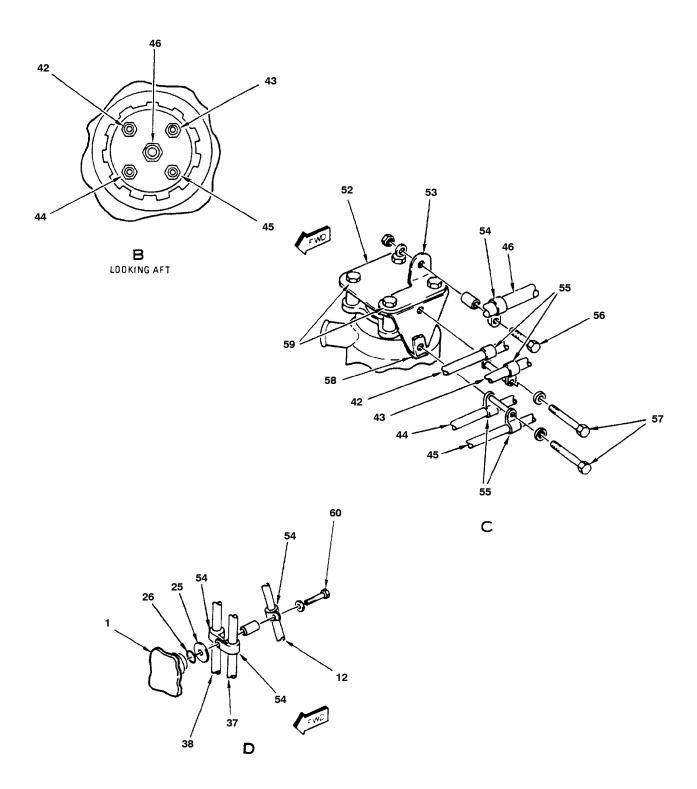


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 4)

18AC-460-30-(41-4)

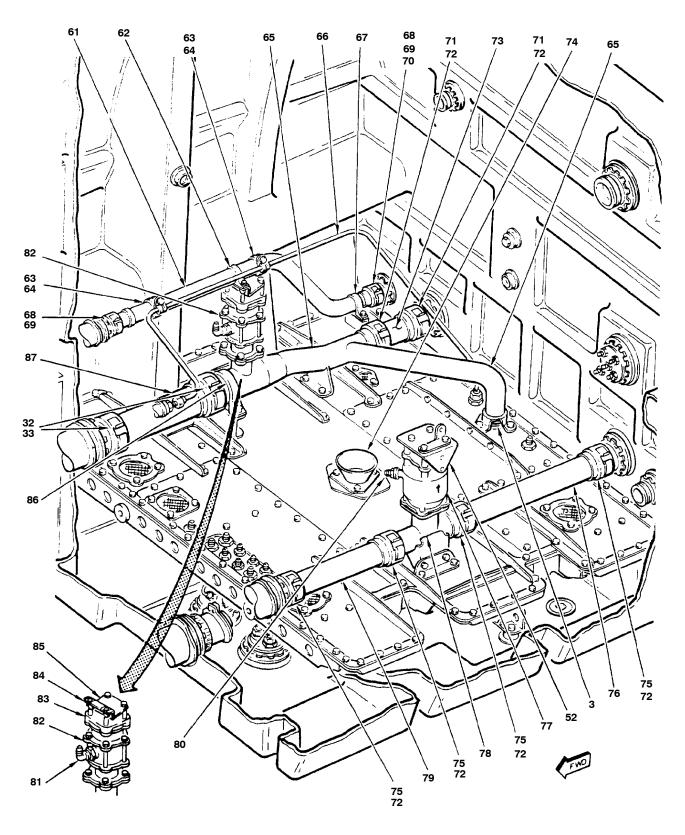


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 5)

18AC-460-30-(41-5)

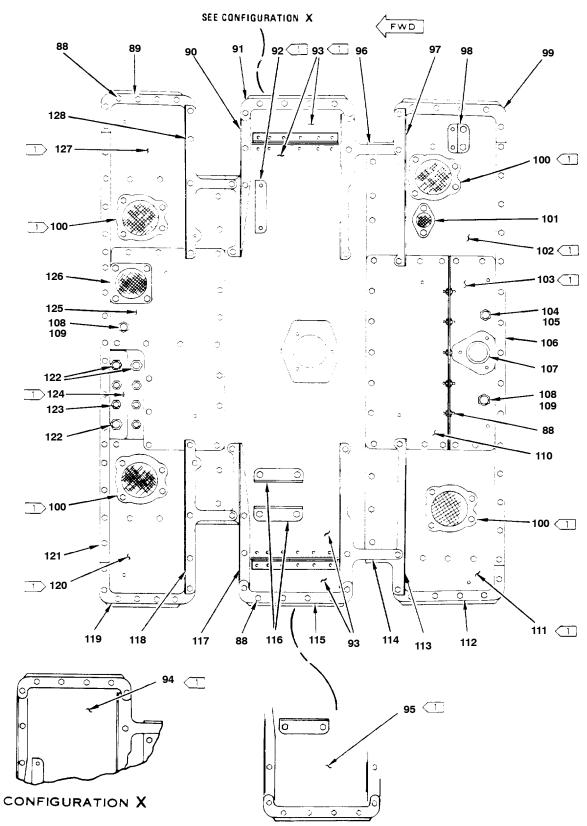


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 6)

18AC-460-30-(41-6)

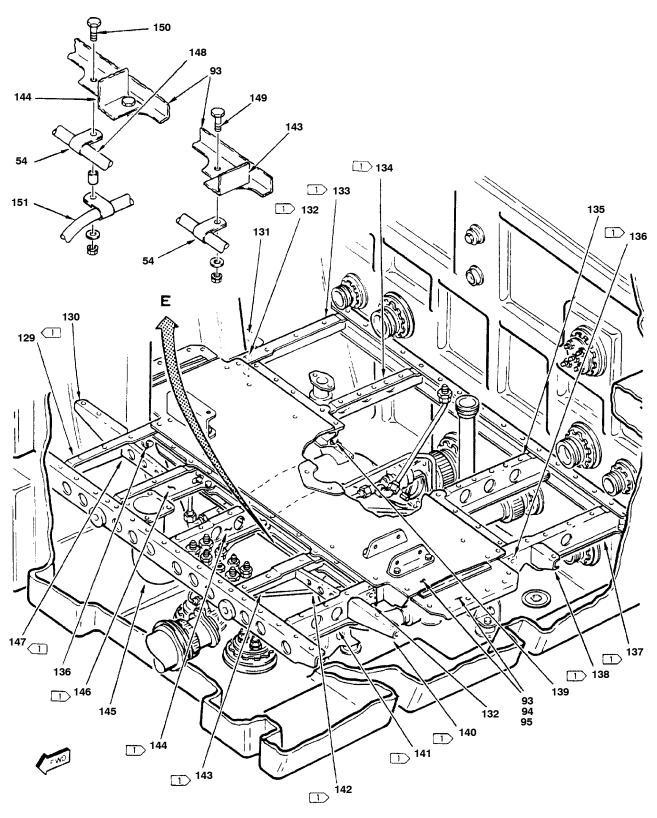


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 7)

18AC-460-30-(41-7)

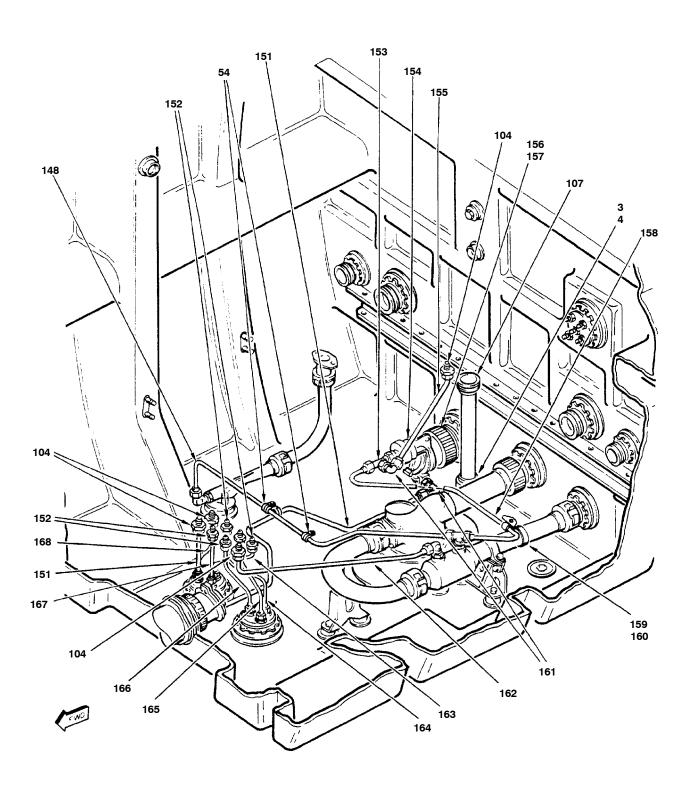


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 8)

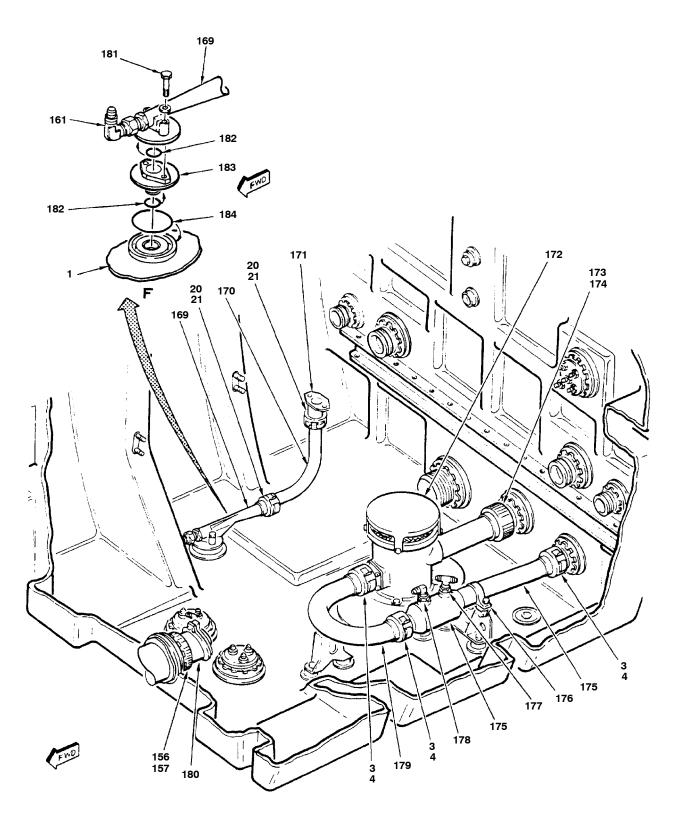


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 9)

18AC-460-30-(41-9)

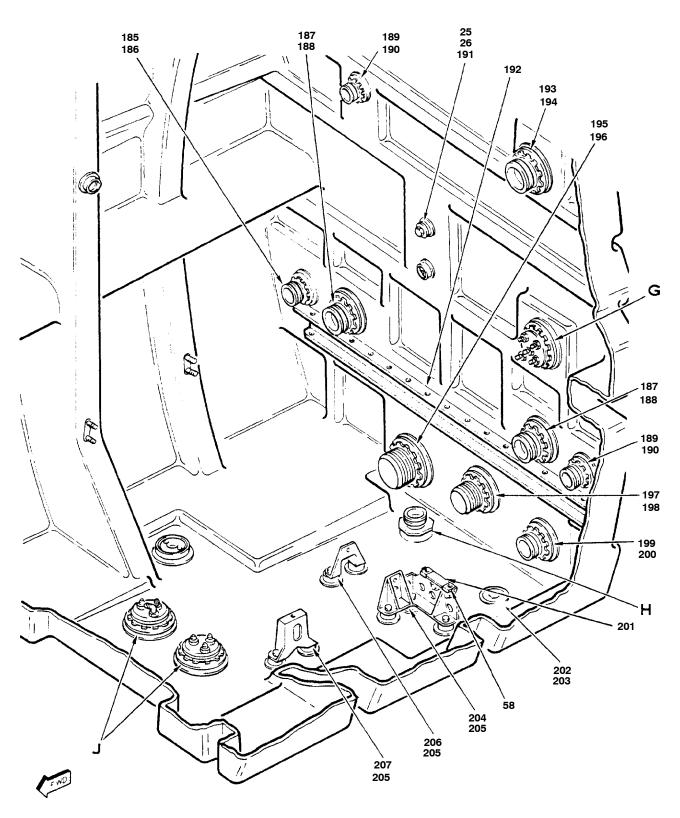
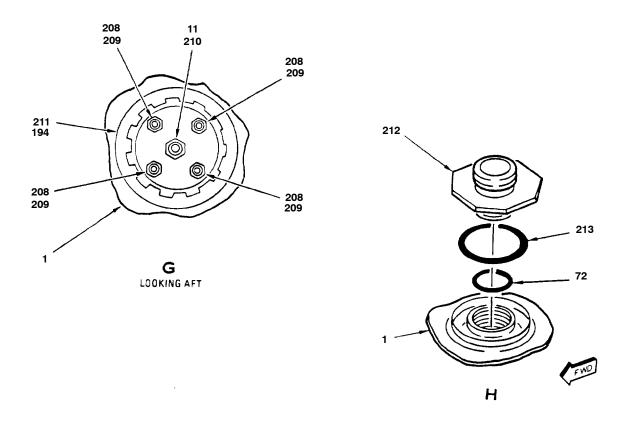


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 10)

18AC-460-30-(41-10)



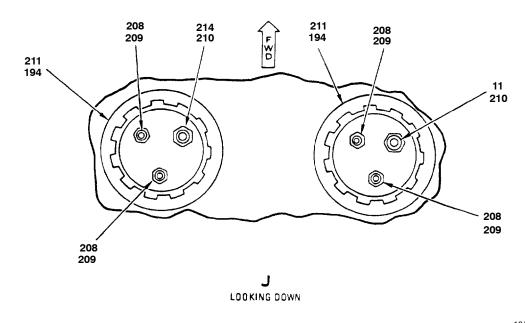


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 11)

18AC-460-30-(41-11)

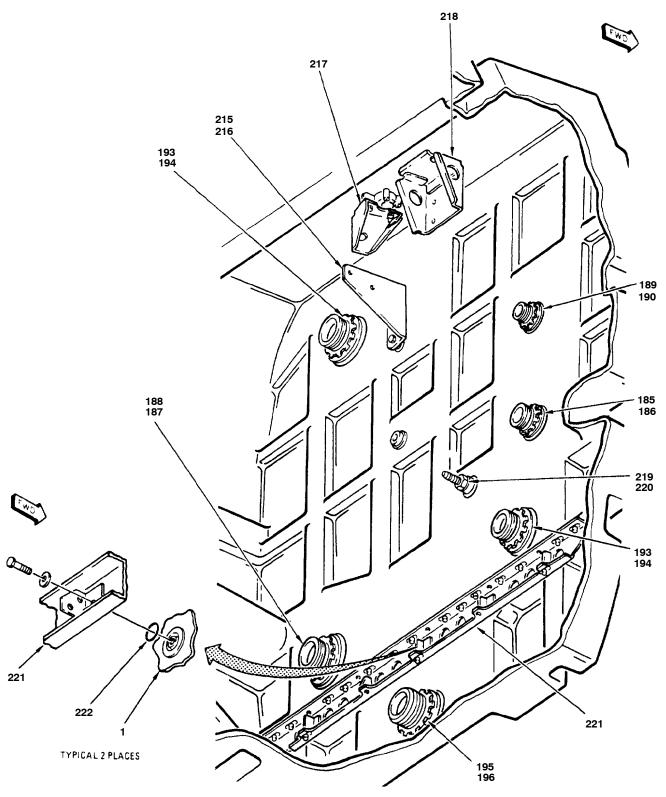


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 12)

18AC-460-30-(41-12)

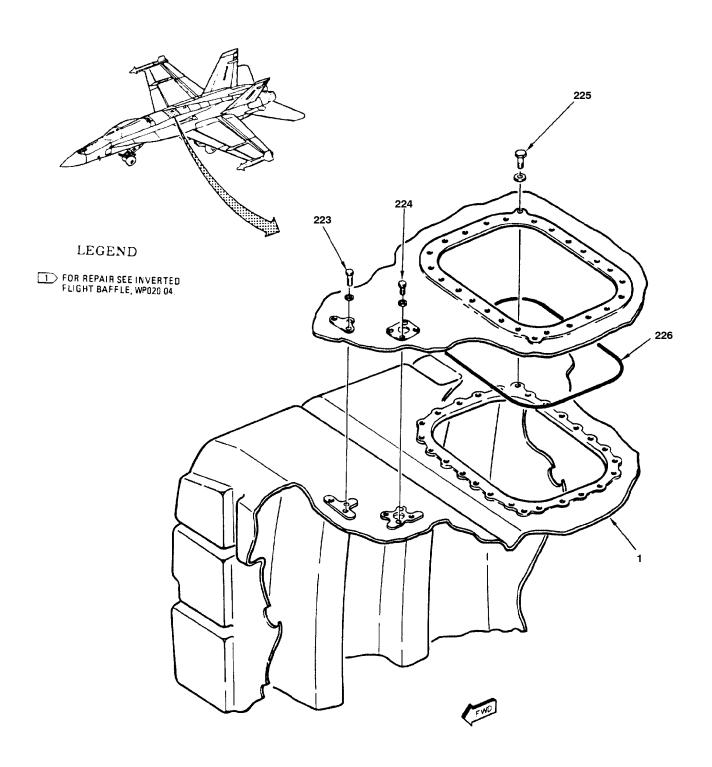


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 13)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
1	62002-5 ¢	NO. 2 FUEL TANK (5CAP509)	1	*	PAODD
	FCR-63257 ¢	FUEL TANK) (05476) (MCDONNELL SPEC 74-580162-215) (5CAP509) TANK, FUEL, AIRCRAFT - FUSELAGE BLADDER TYPE - NUMBER 2 (NO. 2 FUEL TANK) (00333) (MCDONNELL	1	*	PAODD
	62002-3 ¢	SPEC 74-580162-215) (5CAP509) TANK, FUEL, AIRCRAFT - FUSELAGE BLADDER TYPE - NUMBER 2 (NO. 2 FUEL TANK) (05476) (MCDONNELL SPEC 74-580162-209) (5CAP509)	1	*	PAODD
2	74A586694-1001	. ADAPTER - JUNCTION BOX ELECTRICAL, FUEL SYS (TUBE) (76301)	1	A	XBOZZ
3	MS29513-222	PACKING	9		PAOZZ
4	W901K24DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	4		PAOZZ
	14J12-24A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	4		PAOZZ
	W901F24DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-24D) (INCLUDES SLEEVE)	4	*	PAOZZ
5	NAS674V5	. BOLT	3		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 5)	3		PAOZZ
6	74A586255-1005	ELBOW, TUBE - 0.50 IN. LINE, VENT	1	A	XBOZZ
7	MS27467T11B35S	. CONNECTOR, PLUG (5P-P137)	1		PAOZZ
8	74A586244-2093	BRACKET (76301)	1	Α	XBOZZ
9	74A586694-2003	. ADAPTER - JUNCTION BOX,	1	A	XBOZZ
	74A586694-2007	. ADAPTER - JUNCTION BOX, ELECTRICAL, FUEL SYS (76301)	1	В	XBOZZ
10	MS29513-117	. PACKING	1		PAOZZ
11	7M637BD-6D	. NIPPLE (76301)	3		PAOZZ
12	74A586681-1005	TUBE ASSEMBLY, METAL - G FEED	1		MGOZZ
13	KJL7YC103451-3	. CONNECTOR, RECEPTACLE (71468)	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 14)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
14	74A586612-2001	. ADAPTER - ELECTRICAL JUNCTION	1	В	XBOZZ
15	MS29512-06	. PACKING	1	В	PAOZZ
16	MS28773-06	. RETAINER	1	В	PAOZZ
17	ST7M263DA6	. ELBOW (76301)	1	В	PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 17)	1		PAOZZ
18	74A586255-1011	ELBOW, TUBE - 0.50 IN. LINE, VENT	1	В	XBOZZ
19	74A586244-2065	BRACKET (76301)	1	В	XBOZZ
20	W901K16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	4		PAOZZ
	14J12-16A	. COUPLING, CLAMP, GROOVED(24984) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	4		PAOZZ
	W901F16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-16D) (INCLUDES SLEEVE)	4	*	PAOZZ
21	MS29513-214	. PACKING	8		PAOZZ
22	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	1		PAOZZ
23	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16)	1		PAOZZ
	NAS673V2	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
24	MS25281-R16	. CLAMP (SUPERSEDES MS25781-16)	1		PAOZZ
	NAS673V12	BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	3		PAOZZ
	NAS43DD3-32	. SPACER (AP)	1		PAOZZ
25	74A586244-2005	. WASHER (RETAINER) (76301)	4		PAOZZ
26	M25988/1-312	. PACKING	3		PAOZZ
27	NAS674V3	BOLT	1		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 27)	1		PAOZZ
28	74A586271-1007	. TUBE ASSEMBLY, METAL - WING	1		XBOZZ
29	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	1		PAOZZ
30	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16)	1		PAOZZ
	NAS673V2	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
31	74A586259-1011	. VENT ASSEMBLY FUEL TANK NO. 2 (NO. 2 FUEL TANK DIVE VENT CHECK VALVE) (76301) (5VAP593) (REPLACES 74A586259-1009, 74A585002-2009 OR 74A585002-2001)	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 15)

INDEX NO.	PART NUMBER	DESCRIPTION PER ASSY	USE ON CODE	SM&R CODE
	74A586259-1009	. SEE ABOVE (REPLACED BY	*	PAOZZ
	74A585002-2009	SEE ABOVE (REPLACED BY	*	PAOZZ
	74A585002-2001	. SEE ABOVE (REPLACED BY	*	PAOZZ
	AN960JD6L	. WASHER (USE WITH INDEX 31)		PAOZZ
	NAS1291C06M	. NUT (USE WITH INDEX 31) 2		PAOZZ
	NAS674V3	. BOLT (USE WITH INDEX 31)		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 31)		PAOZZ
32	W901K40DE	. COUPLING, CLAMP, GROOVED (79326) 4 (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)		PAOZZ
	14J12-40A	. COUPLING, CLAMP, GROOVED (24984) 4 (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)		PAOZZ
	W901F40DE	. COUPLING, CLAMP, GROOVED (79326) 4 (MCDONNELL SPEC 7M550-40D) (INCLUDES SLEEVE)	*	PAOZZ
33	MS29513-230	. PACKING 8		PAOZZ
34	2800095-101	. VALVE, CONTROL - REFUEL LEVEL		PAOZZ
	2800018-101	. SEE ABOVE 1	*	PAOZZ
	NAS673V3	. BOLT (AP)		PAOZZ
	AN960JD416L	. WASHER (AP) 4		PAOZZ
	7M637BD-4D	. NIPPLE (76301) (USE WITH INDEX 34)		PAOZZ
	MS29512-04	. PACKING (USE WITH INDEX 34)		PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 34)		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 34) 1		PAOZZ
35	74A586244-2063	. SHIELD (76301)	E	XBOZZ
36	2760009-105	. SENSOR, FUEL LEVEL - JET	Е	PAOZZ
	2760009-103	. SEE ABOVE (MCDONNELL SPEC	F	PAOZZ
	NAS673V21	. BOLT (AP)	E	PAOZZ
	AN960JD10L	. WASHER (AP) (UNDER BOLT) 2	E	PAOZZ
	AN960JD10	. WASHER (AP) (BETWEEN SENSOR	E	PAOZZ
	NAS43DD3-18	. SPACER (AP) (BETWEEN SENSOR	E	PAOZZ
	NAS673V15	. BOLT (AP)	F	PAOZZ
	AN960JD10L	. WASHER (AP)	F	PAOZZ
	7M148V6	. ELBOW (76301) (USE WITH INDEX 36)		PAOZZ
	7M148DA6	. ELBOW (76301) (USE WITH INDEX 36)	*	PAOZZ
37	74A586243-1001	. TUBE ASSEMBLY, METAL - JET		XBOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 16)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
38	74A586245-1001		TUBE ASSEMBLY, METAL - JET LEVEL SENSOR, TK NO. 2 (76301)	1		AGOGG
39	74A586241-1001	•	TUBE ASSEMBLY, METAL - VENT, FWD, INVERTED FLT COMPT (76301)	1		MGOZZ
40	MS25281R6		CLAMP (SUPERSEDES MS25281-6)	1		PAOZZ
	NAS673V3		BOLT (AP)	1		PAOZZ
	AN960JD10L		WASHER (AP)	1		PAOZZ
	M25988/1-312		PACKING (AP) (UNDER WASHER)	1		PAOZZ
41	ST9M591-4		BLOCK (HALF) (76301)	8		PAOZZ
	NAS673V8		BOLT (AP)	3		PAOZZ
	AN960JD10L	•	WASHER (AP) (ONE UNDER BOLT, ONE UNDER NUT)	6		PAOZZ
	NAS1291C3M		NUT (AP)	3		PAOZZ
42	74A586810-1005	•	TUBE ASSEMBLY, METAL - PRECHECK TK NO. 4, Y389 UN Y416 UN (76301)	1		MGOZZ
43	74A586273-1005		TUBE ASSEMBLY, METAL - PRECHECK TANK 3, Y389 UN Y416 UN (76301)	1		MGOZZ
44	74A586812-1005		TUBE ASSEMBLY, METAL - PRECHECK LH WG, Y387 UN - Y416 UN (76301)	1		MGOZZ
45	74A586811-1005	•	TUBE ASSEMBLY, METAL	1		MGOZZ
46	74A586683-1001		TUBE ASSY, METAL - SYSTEMS	1		MGOZZ
47	74A586821-1005		TUBE ASSEMBLY, METAL	1		MGOZZ
48	MS25281R6		CLAMP (SUPERSEDES MS25281-6)	1		PAOZZ
	MS25281R4		CLAMP (USE WITH INDEX 48)(SUPERSEDES MS25281-4)	1		PAOZZ
	NAS673V4		BOLT (AP)	1		PAOZZ
	AN960JD10L		WASHER (AP)	1		PAOZZ
	NAS1291C3M		NUT (AP)	1		PAOZZ
49	MS25281R6		CLAMP (SUPERSEDES MS25281-6)	4		PAOZZ
	NAS673V4		BOLT (AP)	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
	NAS1291C3M		NUT (AP)	2		PAOZZ
50	74A586242-1001	•	TUBE ASSEMBLY, METAL - VENT,	1		MGOZZ
51	74A586283-1003		TUBE ASSEMBLY, METAL - FLOAT VALVE RH PORT TO REFUEL V (76301)	1		MGOZZ
52	74A586244-1005		BRACKET (76301)	1		XBOGG
53	74A586244-2011		BRACKET (76301)	1		XBOZZ
54	MS25281R6		CLAMP (SUPERSEDES MS25281-6)	5		PAOZZ
55	MS25281R4		CLAMP (SUPERSEDES MS25281-4)	4		PAOZZ
56	NAS673V13	•	BOLT	1		PAOZZ
	AN960JD10L		WASHER (USE WITH INDEX 56)	1		PAOZZ
	NAS43DD3-40		SPACER (USE WITH INDEX 56)	1		PAOZZ
	NAS1291C3M	•	NUT (USE WITH INDEX 56)	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 17)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	N. A. G. C. C. C. M. C.		DOLE	2		D4.077
57	NAS673V18	•	BOLT	2		PAOZZ
	AN960JD10L	٠	WASHER (USE WITH INDEX 57)	2		PAOZZ
70	NAS43DD3-60	•	SPACER (USE WITH INDEX 57)	2	*	PAOZZ
58	A11144-7-3	٠	NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M)	3		PAOZZ
	130091	٠	NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M)	3	*	PAOZZ
59	NAS674V21		BOLT	4		PAOZZ
	AN960JD416L		WASHER (AP)	4		PAOZZ
	NAS42DD8-80		SPACER (AP)	4		PAOZZ
60	NAS673V26		BOLT	1		PAOZZ
	AN960JD10		WASHER (USE WITH INDEX 60)	1		PAOZZ
	NAS43DD3-64		SPACER (USE WITH INDEX 60)	1		PAOZZ
61	74A586270-1007		TUBE ASSEMBLY, METAL - M/F PRESS TO TANK 1, TANK 2 BYPASS (76301) (CONTAINS BONDED RESTRICTOR)	1	С	XBOZZ
	74A586270-1005 @		SEE ABOVE (CONTAINS LOOSE	1	C*	XBOZZ
	74A586270-1009		SEE ABOVE	1	D	XBOZZ
62	NAS1787A20G		CLAMP	1		PAOZZ
	NAS673V3		BOLT (AP)	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
	A11144-7-3		NUT, CLIP (AP) (72962) (MCDONNELL SPEC ST3M523C3M)	2	*	PAOZZ
	130091		NUT, CLIP (AP) (76530) (MCDONNELL SPEC ST3M523C3M)	2	*	PAOZZ
63	MS25281R6		CLAMP (SUPERSEDES MS25281-6)	2		PAOZZ
64	MS25281-R20		CLAMP (SUPERSEDES MS25281-20)	2		PAOZZ
	NAS673V2		BOLT (AP)	1		PAOZZ
	AN960JD10L		WASHER (AP)	1		PAOZZ
	NAS1291C3M		NUT (AP)	1		PAOZZ
65	74A586203-1001		MANIFOLD, AIRCRAFT - TANK NO. 2,	1		XBOZZ
	NAS673V5		BOLT (AP)	5		PAOZZ
	AN960JD10L		WASHER (AP)	5		PAOZZ
66	74A586682-1001		TUBE ASSEMBLY, METAL - GRAVITY	1		MGOZZ
67	NAS1787A20G		CLAMP	1		PAOZZ
	NAS673V7		BOLT (AP)	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
	NAS1291C3M		NUT (AP)	2		PAOZZ
68	W901K20DE		COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	2	*	PAOZZ
	14J12-20A		COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	2	*	PAOZZ
69	MS29513-218		PACKING	4		PAOZZ
70	74A585002-9001 @		RESTRICTOR (76301) (BETWEEN TUBE AND BULKHEAD FITTING)	1	C	-
71	W901K32DE	•	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	2		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 18)

	T .	<u> </u>				
INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	14J12-32A		COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	2		PAOZZ
	W901F32DE		COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-32D) (INCLUDES SLEEVE)	2	*	PAOZZ
72	MS29513-226		PACKING	13		PAOZZ
73	74A586216-1003		TUBE ASSEMBLY, METAL - REFUEL,	1		XBOZZ
74	74A586297-2001		GUIDE, PROBE - FUEL QTY, TANK 2 & 3 (76301)	1		XBOZZ
	NAS673V4		BOLT (AP)	3		PAOZZ
	4M36-01016		WASHER (AP) (76301)	6		PAOZZ
	NAS43DD3-8		SPACER (AP)	3		PAOZZ
75	W901K32DE		COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	4	*	PAOZZ
	14J12-32A		COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	4	*	PAOZZ
76	74A5B6265-1003		TUBE ASSEMBLY, METAL - FUEL	1		XBOZZ
77	2760008-117	•	VALVE, SHUTOFF - FUEL TRANSFER	1		PAOZZ
	2760008-115		SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2760008-111		SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2760008-109		SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS674V4		BOLT (AP)	4		PAOZZ
	AN960JD416L		WASHER (AP)	4		PAOZZ
78	74A586266-1001	•	TEE ASSY, TRANSFER PUMP - TANK	1		XBOOO
	NAS673V3		BOLT (AP)	4		PAOZZ
	AN960JD10L		WASHER (AP)	4		PAOZZ
	NS103597-02	•	NUT, SELF-LOCKING, PLATE	4	*	PAOZZ
	F10965-1-3	•	NUT, SELF-LOCKING, PLATE(MCDONNELL SPEC ST3M470C3M) (USE WITH INDEX 78)	4	*	PAOZZ
	F29339-01-3		NUT, SELF-LOCKING, PLATE(MCDONNELL SPEC ST3M470C3M) (USE WITH INDEX 78)	4	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 19)

	ı		-	, , , , , , , , , , , , , , , , , , , ,
INDEX NO.	PART NUMBER	DESCRIPTION PE 1 2 3 4 5 6 7 AS	R ON	SM&R CODE
79	74A586885-1003	TUBE ASSEMBLY, METAL - FUEL TRANSFER, TANK 2 (76301) (SUPERSEDES 74A586885-1001)	I	XBOZZ
80	7M637BD-6D	. NIPPLE (76301)	1	PAOZZ
	MS29512-06	. PACKING (USÉ WITH INDEX 80)	1	PAOZZ
81	7M148V6	. ELBOW (76301)	1	PAOZZ
	7M148DA6	. ELBOW (76301)	*	PAOZZ
	7M637BD-6D	. NIPPLE (76301)	1	PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 81)	1	PAOZZ
82	2760113-113	VALVE, CHECK - REFUEL - LEVEL (NO. 2 FUEL TANK FUEL LEVEL CONTROL SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580108-223) (5VAP596)	I	PAOZZ
	2760113-111	SEE ABOVE (MCDONNELL SPEC	1 *	PAOZZ
	2760113-109	SEE ABOVE (MCDONNELL SPEC		PAOZZ
	2760113-107	SEE ABOVE (MCDONNELL SPEC	1 *	PAOZZ
	NAS674V4	. BOLT (AP)		PAOZZ
	AN960JD416L	. WASHER (AP)		PAOZZ
	MS29513-224	. PACKING (BELOW VALVE) (USE WITH	1	PAOZZ
83	74A581029-2001	. RESTRICTOR (76301)		MGOZZ
84	74A586244-1013	. SUPPORT (76301)		XBOGG
	NAS673V2	. BOLT (AP)		PAOZZ
	AN960JD10L	. WASHER (AP)		PAOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 84)		PAOZZ
0.5	MS20426AD3 #	RIVET (AP)		-
85	74A586244-2041	BRACKET (76301)		XBOZZ
	NAS674V20	BOLT (AP)		PAOZZ
	AN960JD416L	WASHER (AP)		PAOZZ
96	NAS42DD8-80	,		PAOZZ
86	NAS1787A40G NAS673V9			PAOZZ PAOZZ
	AN960JD10L	. BOLT (AP)		PAOZZ
87	74A586261-1005	TUBE ASSEMBLY, METAL - TANK 2		XBOZZ
88	NAS673V5	BOLT 20	01	PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 88)	01	PAOZZ
89	74A586204-2248	. RETAINER (76301)	1	MGOZZ
90	74A586204-2242	. RETAINER (76301)	1	XBOZZ
91	74A586204-2250	. RETAINER (76301)	1	MGOZZ
92	74A586204-2403	. SUPPORT ASSY (76301) (FOR REPAIR	1	XBOOO
	NAS673V5	. BOLT (AP)		PAOZZ
	AN960JD10L	. WASHER (AP)	2	PAOZZ
93	74A586204-2461	. PANEL ASSY, CENTER (76301)	I	A0000
94	74A586204-2445	PANEL ASSY, CENTER (76301)	I	A0000

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 20)

				UNITS	USE	
INDEX	PART		DESCRIPTION	PER	ON	SM&R
NO.	NUMBER	1	2 3 4 5 6 7	ASSY	CODE	CODE
95	74A586204-2397		PANEL ASSY, CENTER (76301)	1		XBOOO
		•	(FOR REPAIR SEE WP020 04)			
96	74A586204-2417		RETAINER (76301)	1		XBOZZ
97	74A586204-2352		RETAINER (76301)	1		MGOZZ
98	74A586244-2057		SUPPORT (76301)	1		XBOZZ
	NAS673V6		BOLT (AP)	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
	74A586244-2059		SHIM (76301) (USE WITH INDEX 98)	1		XBOZZ
99	74A586204-2252		RETAINER (76301)	1		MGOZZ
100	55-6003	٠	DISK ASSEMBLY, VALVE, CHECK, FUEL SYSTEM, GRAVITY FEED (INVERTED FLIGHT CHECK VALVE) (96736) (MCDONNELL SPEC 74J588006-107)	4		PAOZZ
	NAS1802-06-9		SCREW (AP)	4		PAOZZ
	AN960JD6L		WASHER (AP)	4		PAOZZ
	74A586204-2185	•	SCREEN ASSY (76301) (USE WITHINDEX 100) (FOR REPAIR SEE WP020 04)	1		XBOOO
	74A586286-2001		SEAL PLATE - CHECK VALVE, FUEL TANK (76301) (USE WITH INDEX 100)	1		XBOZZ
101	74A586637-1001		SCREEN ASSY - INVERTED FLIGHT BAFFLE, TANKS NO. 2 & 3 (76301)	1		XBOZZ
	NAS673V5		BOLT (AP)	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
	NAS1291C3M		NUT (AP)	2		PAOZZ
102	74A586204-2365	٠	WEB ASSY, AFT RH (76301) (FOR	1		XBOOO
103	74A586204-2411	٠	WEB ASSY (76301) (FOR REPAIR SEE	1		XBOOO
104	7M637BT-6D		NIPPLE (76301)	5		PAOZZ
105	AN924-6D		NUT	1		PAOZZ
106	74A586204-2427		RETAINER (76301)	1		XBOZZ
107	74A586264-1005		TUBE ASSEMBLY, METAL - PYLON	1		XBOZZ
108	7M637BT-6D		NIPPLE (76301)	2		PAOZZ
109	AN924-6D		NUT	2		PAOZZ
	AN960JD916L		WASHER (USE WITH INDEX 109)	2		PAOZZ
110	74A586204-2377		WEB (76301)	1		MGOZZ
111	74A586204-2431		WEB ASSY (76301) (FOR REPAIR SEE	1		XBOOO
112	74A586204-2251		RETAINER (76301)	1		MGOZZ
113	74A586204-2235		RETAINER (76301)	1		MGOZZ
114	74A586204-2237		RETAINER (76301)	1		MGOZZ
115	74A586204-2249		RETAINER (76301)	1		MGOZZ
116	74A586309-2079		BRACKET (76301)	2		MGOZZ
	NAS673V3		BOLT (AP)	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
117	74A586204-2241		RETAINER (76301)	1		XBOZZ
118	74A586204-2239		RETAINER (76301)	1		MGOZZ
119	74A586204-2247		RETAINER (76301)	1		MGOZZ
120	74A586204-2255	•	WEB ASSY (76301) (FOR REPAIR	1		XBOOO

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 21)

INDEX	PART		DESCRIPTION	UNITS PER	USE ON	SM&R
NO.	NUMBER	1	2 3 4 5 6 7	ASSY	CODE	CODE
121	74A586204-2271		RETAINER (76301)	1		MGOZZ
122	AN924-6D		NUT	3		PAOZZ
123	AN924-4D		NUT	5		PAOZZ
124	74A586204-2287	•	WEB ASSY, CENTER FWD (76301) (FOR REPAIR SEE WP020 04)	1		XBOOO
125	74A586204-2421		WEB, CENTER, FWD (76301)	1		MGOZZ
126	74A586637-1003	•	SCREEN ASSY - INVERTED FLIGHT	1		XBOZZ
	NAS673V6		BOLT (AP)	4		PAOZZ
	AN960JD10L		WASHER (AP)	4		PAOZZ
127	74A586204-2261		WEB ASSY, FWD, RH (76301) (FOR REPAIR SEE WP020 04)	1		XBOOO
128	74A586204-2240		RETAINER (76301)	1		MGOZZ
129	74A586204-2212	•	SUPPORT ASSY (76301) (FOR REPAIR SEE WP020 04)	1		XBOOO
130	74A586204-2227		SUPPORT ASSY (76301)	1		XBOOO
131	74A586204-2324		SUPPORT ASSY (76301) (NHPA	1		XBOOO
132	74A586208-1002	•	BRACKET, BAFFLE - FUEL TANK	2		XBOOO
	NAS1291C4M	•	NUT (AP) (TO BLADDER)	2		PAOZZ
	AN960JD416		WASHER (AP) (TO BLADDER)	2		PAOZZ
133	74A586204-2409	•	SUPPORT ASSY (76301) (NHPA	1		XBOOO
134	74A586204-2338		SUPPORT ASSY (76301) (NHPA	1		XBOOO
135	74A586204-2337		SUPPORT ASSY (76301) (FOR REPAIR SEE WP020 04)	1		XBOOO
136	74A586208-1001	•	BRACKET, BAFFLE - FUEL TANK (76301) (FOR REPAIR SEE WP020 04)	2		XBOOO
	NAS1291C4M		NUT (AP) (TO BLADDER)	2		PAOZZ
	AN960JD416		WASHER (AP) (TO BLADDER)	2		PAOZZ
137	74A586204-2047	٠	SUPPORT ASSY (76301) (NHPA	1		XBOOO
138	74A586204-2323	•	SUPPORT ASSY (76301) (FOR REPAIR SEE WP020 04)	1		XBOOO
139	NAS673V2		BOLT	2		PAOZZ
	AN960JD10L		WASHER (USE WITH INDEX 139)	2		PAOZZ
140	74A586204-2228	•	SUPPORT ASSY (76301) (FOR REPAIR SEE WP020 04)	1		XBOOO
141	74A586204-2211		SUPPORT ASSY (76301) (FOR REPAIR SEE WP020 04)	1		XBOOO
142	74A586204-2293	•	SUPPORT ASSY (76301) (FOR REPAIR SEE WP020 04)	1		XBOOO
143	74A586204-2213		SUPPORT ASSY (76301) (FOR REPAIR	1		XBOOO
144	74A586204-2217	•	SUPPORT ASSY (76301) (FOR REPAIR SEE WP020 04)	1		XBOOO

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 22)

				LIMITO	HEE	
INDEX NO.	PART NUMBER	۔ ا	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		ı	234567	ASST	CODE	
145	74A586239-1007 Ø		TUBE ASSEMBLY, METAL - SURGE BAF, INVERTED FLT, TK NO. 2 (76301)	1		XBOGG
	74A586239-1007NR1 Ø		TUBE ASSEMBLY, METAL - SURGE BAF, INVERTED FLT, TK NO. 2 (76301)	1		XBOGG
146	74A586204-2215		SUPPORT ASSY (76301) (FOR REPAIR SEE WP020 04)	1		XBOOO
147	74A586204-2294	•	SUPPORT ASSY (76301) (FOR REPAIR SEE WP024 04)	1		XBOOO
148	74A586274-1001		TUBE ASSEMBLY, METAL - SCAV	1		MGOZZ
149	NAS673V14		BOLT	1		PAOZZ
	AN960JD10L		WASHER (USE WITH INDEX 149)	1		PAOZZ
	NAS1291C3M		NUT (USE WITH INDEX 149)	1		PAOZZ
150	NAS673V14		BOLT	1		PAOZZ
	AN960JD10L		WASHER (USE WITH INDEX 150)	1		PAOZZ
	NAS43DD3-32		SPACER (BETWEEN CLAMPS) (USE	1		PAOZZ
	NAS1291C3M		NUT (USE WITH INDEX 150)	1		PAOZZ
151	74A586680-1005		TUBE ASSEMBLY, METAL - GRAVITY FEED SIGNAL, BELOW BAFFLE (76301)	1		MGOZZ
152	7M637BT-4D		NIPPLE (76301)	5		PAOZZ
153	7M637AX-D6		TEE (76301)	1		PAOZZ
	AN924-6D		NUT (USE WITH INDEX 153)	1		PAOZZ
	MS29512-06		PACKING (USE WITH INDEX 153)	1		PAOZZ
154	55-7600-5	٠	VALVE, INTERCONNECT, FUEL PRESSURE OPERATED (NO. 2 FUEL TANK PRESSURE OPERATED INTERCONNECT VALVE) (96736) (MCDONNELL SPEC 74-580110-111) (5S-R131) (REPLACES 55-7600-1, 41400-109 & 74B580071-1003)	1		PAOZZ
	74B580188-1001		SEE ABOVE (76301) (REPLACES	1	*	PAOZZ
	41400-111		SEE ABOVE (04192) (MCDONNELL	1	*	PAOZZ
	41400-109 +		SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	74B580071-1003 +	•	SEE ABOVE (76301) (REPLACED BY	1	*	PAOZZ
155	74A586828-1003	•	TUBE ASSEMBLY, METAL - PRESS,	1		MGOZZ
156	W702-40D	٠	NUT ASSEMBLY, TUBE COUPLING	2	*	PAOZZ
	12H72-40A		SEE ABOVE (24984)	2	*	PAOZZ
157	MS29513-334		PACKING	2		PAOZZ
158	74A586827-1001		TUBE ASSEMBLY, METAL - PRESS, FILTER TEE - Y410 VALVE TEE (76301)	1		MGOZZ
159	MS25281R24		CLAMP (SUPERSEDES MS25281-24)	1		PAOZZ
160	MS25281R6		CLAMP (SUPERSEDES MS25281-6)	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 23)

	<u> </u>	1	1		
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	NAS673V2	. BOLT (AP)	1		PAOZZ
	AN960JD10L	WA CHED (A D)	1		PAOZZ
	NAS1291C3M	· ·	1		PAOZZ
161	7M148V6	. NUT (AP)	3		PAOZZ
161		ELBOW (76301)	3	*	
162	7M148DA6	,		*	PAOZZ
162	74A586275-1001	TUBE ASSEMBLY, METAL - PRESS	1		MGOZZ
163	74A586815-1005	TUBE ASSEMBLY, METAL	1		MGOZZ
164	74A586813-1003	TUBE ASSEMBLY, METAL	1		MGOZZ
165	74A586814-1007	TUBE ASSEMBLY, METAL	1		MGOZZ
166	74A586816-1009	TUBE ASSEMBLY, METAL	1		MGOZZ
167	74A586822-1005	TUBE ASSEMBLY, METAL	1		MGOZZ
168	74A586830-1003	. TUBE ASSEMBLY, METAL	1		MGOZZ
169	2760101-101	EJECTOR, JET - REFUELING	1		PAOZZ
170	74A586237-1003	. TUBE ASSEMBLY, SCAVENGE PUMP(76301) (SUPERSEDES 74A586237-1001)	1		XBOZZ
171	74A586202-2001	. ADAPTER, TUBE - SCAVENGE, TANK NO. 2 (76301)	1		XBOZZ
172	2800099-104	EJECTOR, JET ENGINE FUEL BOOST PUMP (NO. 2 FUEL TANK ENGINE FUEL BOOST JET EJECTOR) (92003) (MCDONNELL SPEC 74-580112-203) (5BAP599)	1		PAOZZ
	NAS674V2	. BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
173	W702-32D	. NUT ASSEMBLY, TUBE COUPLING	1		PAOZZ
	12H72-32A	. SEE ABOVE (24984)	1	*	PAOZZ
174	MS29513-330	. PACKING	1		PAOZZ
175	74A586268-1003	. FILTER, FLUID PRESSURE - FUEL	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 24)

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INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	74A586268-1001	. FILTER, FLUID PRESSURE - FUEL	1	С	PAOZZ
176	NAS1787A24G	. CLAMP	1		PAOZZ
	NAS673V5	BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
177	7M637BX-6D	. TEE (76301)	1		PAOZZ
	AN924-6D	. NUT (USE WITH INDEX 177)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 177)	1		PAOZZ
178	7M637BW-6D	. ELBOW (76301)	1		PAOZZ
	AN924-6D	. NUT (USE WITH INDEX 178)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 178)	1		PAOZZ
179	74A586269-1003	TUBE ASSEMBLY, METAL - FUEL	1		XBOZZ
	NAS673V3	BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
180	74A585002-2003	FEED ASSEMBLY, FUEL (NO. 2 FUEL TANK GRAVITY FEED CHECK VALVE) (76301) (5VAP600)	1		PAOZZ
	NAS1802-06-7	. SCREW (USE WITH INDEX 180	2		PAOZZ
	AN960JD6L	. WASHER (USE WITH INDEX 180)	4		PAOZZ
	NAS1291C06M	. NUT (USE WITH INDEX 180)	2		PAOZZ
181	NAS673V32	. BOLT (AP)	2		PAOZZ
	AN960JD10	. WASHER (USE WITH INDEX 181)	2		PAOZZ
182	MS29513-015	. PACKING	2		PAOZZ
183	74A586296-2005	SPACER, PUMP - SINGLE POINT	1		XBOZZ
184	MS29513-329	PACKING	1		PAOZZ
185	74A585734-2001 ¶	. RETAINER, FUEL CELL FITTING	2		PAOZZ
	74A585734-1001 ¶	. SEE ABOVE	2	*	PAOZZ
	LS580171-101 ¶	. LOCKNUT, TUBE FITTING - BHD	2		PAOBZ
186	MS29513-327	PACKING	2		PAOZZ
187	74A585733-2001 ¶	. RETAINER, FUEL CELL FITTING	3		PAOZZ
	74A585733-1001 ¶	. SEE ABOVE	3	*	PAOZZ
	LS580173-101 ¶	. LOCKNUT, TUBE FITTING - BHD	3		PAOBZ
188	MS29513-333	. PACKING	3		PAOZZ
189	74A585735-2001 ¶	. RETAINER, FUEL CELL FITTING	3		PAOZZ
	74A585735-1001 ¶	. SEE ABOVE	3	*	PAOZZ
	LS580178-101 ¶	. LOCKNUT, TUBE FITTING - BHD	3		PAOBZ
190	MS29513-325	. PACKING	3		PAOZZ
191	NAS673V2	BOLT	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 25)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	AN0601D10	WACHED (LICE WITH INDEX 101)	1		DA 077
192	AN960JD10 74A586204-2391	. WASHER (USE WITH INDEX 191)	1		PAOZZ XBOOO
	NAS1291C4M	. NUT (AP)	4		PAOZZ
	AN960JD416	. WASHER (AP)	4		PAOZZ
193	74A585730-2001 ¶	RETAINER, FUEL CELL FITTING	3		PAOZZ
	74A585730-1001 ¶	. SEE ABOVE	3	*	PAOZZ
	LS580174-101 ¶	. LOCKNUT, TUBE FITTING - BHD	3		PAOBZ
194	MS29513-337	. PACKING	6		PAOZZ
195	74A585731-2001 ¶	RETAINER, FUEL CELL FITTING	2		PAOZZ
	74A585731-1001 ¶	. SEE ABOVE	2	*	PAOZZ
	LS580177-101 ¶	. LOCKNUT, TUBE FITTING - SPCL,	2		PAOBZ
196	MS29513-339	. PACKING	2		PAOZZ
197	74A585737-2001 ¶	. RETAINER, FUEL CELL FITTING	1		PAOZZ
	74A585737-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	LS580176-101 ¶	NUT, SELF-LOCKING, ROUND	1		PAOBZ
198	MS29513-335	. PACKING	1		PAOZZ
199	74A585739-2001 ¶	RETAINER. FUEL CELL FITTINGBHD, 1.50 DIA, ASSY OF (76301)	1		PAOZZ
	74A585739-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	LS580172-101 ¶	. LOCKNUT, TUBE FITTING - BHD	1		PAOBZ
200	MS29513-329	. PACKING	1		PAOZZ
201	74A586244-2101	. ANGLE (76301) (SUPERSEDES	1		XBOZZ
202	74A582082-1003	. ADAPTER - TANK DRAIN AND VENT	1		PAOZZ
203	MS29513-213	PACKING	1		PAOZZ
204	74A586666-1003	SUPPORT, FUEL PUMP - MAIN EJECTOR, TANK NO. 2 (76301)	1		XBOGG
	NAS674V2	BOLT (AP)	3		PAOZZ
	AN960JD416L	. WASHER (AP)	3		PAOZZ
205	74A586244-2007	WITH INDEX 204)	3		PAOZZ
205	M25988/1-312	PACKING	7		PAOZZ
206	74A586662-2003	SUPPORT, FUEL PUMP - MAIN EJECTOR, TANK NO. 3, LH	1		XBOZZ
	NAS674V2	BOLT (AP)	2 2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
	74A586244-2007	WITH INDEX 206)	2		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 26)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
207	74A586668-1001	. SUPPORT - MOTIVE FLOW LINE, FUEL TANK NO. 2 (76301)	1		XBOOO
	NAS674V2	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
	74A586244 2007	. WASHER (RETAINER) (76301) (USE WITH INDEX 207)	2		PAOZZ
	MS21060L3	. NUT, PLATE	1		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
208	7M637BD-4D	. NIPPLE (76301)	8		PAOZZ
209	MS29512-04	PACKING	8		PAOZZ
210	MS29512-06	PACKING	3		PAOZZ
211	LS580174-101	. LOCKNUT, TUBE FITTING - BHD	3		PAOBZ
212	74A586558-2003	. RETAINER - FUEL TRANS, TK 2 TO CTR PYLON (76301) (SUPERSEDES 74A586558-2001)	1		PAOZZ
213	MS29513-333	. PACKING	1		PAOZZ
214	7M637DA-6D	. REDUCER (76301)	1		PAOZZ
215	74A586244-1027	BRACKET ASSY (76301)	1	E	XBOGG
	74A586244-1015	. SEE ABOVE	1	F	XBOGG
	NAS673V3	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
216	M25988/1-312	. PACKING	2		PAOZZ
217	74A586244-1017	. SUPPORT (76301)	1		XBOGG
	NAS654V1	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
218	74A586244-1021	. SUPPORT (76301)	1		XBOGG
	NAS674V2	. BOLT (AP)	3		PAOZZ
	AN960JD416L	. WASHER (AP)	3		PAOZZ
219	74A585736-2001 ¶	RETAINER, FUEL CELL FITTING	1		PAOZZ
	74A585736-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	74A585736-1001 ¶	. SEE ABOVE	1	*	PAOZZ
	74A586450-1003	. NUT, EXTENDED WASHER, HEXAGON SELF-LOCKING, BHD CONN (76301)	1		PAOZZ
220	M25988/1-315	PACKING	1		PAOZZ
221	74A586204-2245 ¶¶	BEAM ASSY (FWD) (76301)	1		XBOOO
	NAS655V9	. BOLT (AP)	2		PAOZZ
	AN960JD516	. WASHER (AP)	2		PAOZZ
222	M25988/1-312	. PACKING	2		PAOZZ
223	NAS674V1	. BOLT	3		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 223)	3		PAOZZ
224	NAS674V2	. BOLT	1		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 224)	1		PAOZZ
225	NAS674V4	. BOLT	2		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 225)	2		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 27)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
226	MS29513-385	. PACKING	1		PAOZZ
	74K580002-1005 + +	PACKING ASSORTMENT,	1		PAOZZ
	74K580002-1003	. PACKING ASSORTMENT (SEE ABOVE) USE UNTIL EXHAUSTED	1		PAOZZ
	MS29513-385	. PACKING	1		XAOZZ
	MS29513-339	PACKING	2		XAOZZ
	MS29513-337	PACKING	6		XAOZZ
	MS29513-335	PACKING	1		XAOZZ
	MS29513-334	. PACKING	2		XAOZZ
	MS29513-333	. PACKING	6		XAOZZ
	MS29513 330	. PACKING	1		XAOZZ
	MS29513-329	. PACKING	2		XAOZZ
	MS29513-327	. PACKING	2		XAOZZ
	MS29513-325	. PACKING	3		XAOZZ
	MS29513-230	. PACKING	11		XAOZZ
	MS29513 226	. PACKING	17		XAOZZ
	MS29513-222	. PACKING	15		XAOZZ
	MS29513-218	. PACKING	5		XAOZZ
	MS29513-214	. PACKING	10		XAOZZ
	MS29513-213	. PACKING	1		XAOZZ
	MS29513-126	. PACKING	1		XAOZZ
	MS29513-117	. PACKING	1		XAOZZ
	MS29513-024	. PACKING	1		XAOZZ
	MS29513 015	. PACKING	6		XAOZZ
	MS29512-08	. PACKING	1		XAOZZ
	MS29512-06	. PACKING	4		XAOZZ
	MS29512-04	. PACKING	8		XAOZZ
	MS25988/1-022	. PACKING	1		XAOZZ
	M25988/1-315	. PACKING	1		XAOZZ
	M25988/1-312	. PACKING	15		XAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 28)

Page 30

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE	
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- * ALTERNATE OR EQUIVALENT PARTS. (WP002 00)
- @ 74A586270-1005 TUBE REQUIRES 74A585002-9001 LOOSE RESTRICTOR.
- + 41400-109 VALVE MAY RUB ON THE BOTTOM OF TANK BLADDER. IF THIS CONDITION EXISTS A 74B580071-1003 VALVE MUST BE INSTALLED.
- Ø 74A586239-1007 TUBE MAY BE USED IF THE BOTTOM END OF TUBE IS 0.40 INCH TO 1.50 INCHES ROM BOTTOM OF FUEL TANK. IF CLEARANCE IS LESS THAN 0.40 INCH, 74A586239-1007NR1 TUBE MUST BE USED.
- $\P\P$ SHIM IS RIVETED TO BEAM ON SOME AIRCRAFT.
- ¶ NUTS ARE USED WITH PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS ARE USED WITH NON-PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS AND NON-PROTRUDING TYPE BULKHEAD CONNECTORS ARE REPLACEMENT PARTS FOR NUTS AND PROTRUDING TYPE BULKHEAD CONNECTORS, REF WP041 00 AND WP013 02.
- © AMFUEL OR UNIROYAL INDIVIDUAL BACKING BOARDS MUST BE REPLACED BY SAME MANUFACTURERS PART. COMPLETE SETS OF AMFUEL OR UNIROYAL BACKING BOARD MAY BE USED WITH EITHER AMFUEL OR UNIROYAL TANKS.
- ++ USER MAY COMPLETE TANK
 INSTALLATION AND HAVE
 PACKINGS REMAINING BECAUSE
 KIT CONTAINS ENOUGH PACKING
 TO COVER ALL EFFECTIVITIES.

Page 31/(32 blank)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE	
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LENGTH/SIZE TO BE DETERMINED UPON INSTALLATION.

CODE	USABLE ON	MODEL
A	161353 & UP	F/A-18A
В	161354 & UP	F/A-18B
С	161353 THRU 161519 BEFORE F/A-18 AFC 39	F/A-18A/B
D	161520 & UP; ALSO 161353 THRU 161519 AFTER F/A-18 AFC 39	F/A-18A/B
E	161353 THRU 161715 AFTER F/A-18 IAFC 017 PART 2	F/A-18A/B
F	161353 THRU 161715 BEFORE F/A-18 IAFC 017 PART 2	F/A-18A/B

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 30)

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB IPB - NO. 2 FUEL TANK (5CAP509) FUEL STORAGE SYSTEM

EFFECTIVITY: 161716 AND UP

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings with Improved 7M765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 IAFC 017 Part 1 and Part 2	19 Jul 84	Fuel System Tank No. 4 Fuel Transfer Manifold, Modification of (ECP MDA- F/A-18-00084R1)	1 Jun 84	-

1. ILLUSTRATED PARTS BREAKDOWN.

- 2. Removal procedure for No. 2 Fuel Tank is in WP018 02. Index numbers in this WP match those in WP018 02.
- 3. Installation procedure for No. 2 Fuel Tank is in WP019 02. Index numbers in this WP match those in WP019 02.
- 4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

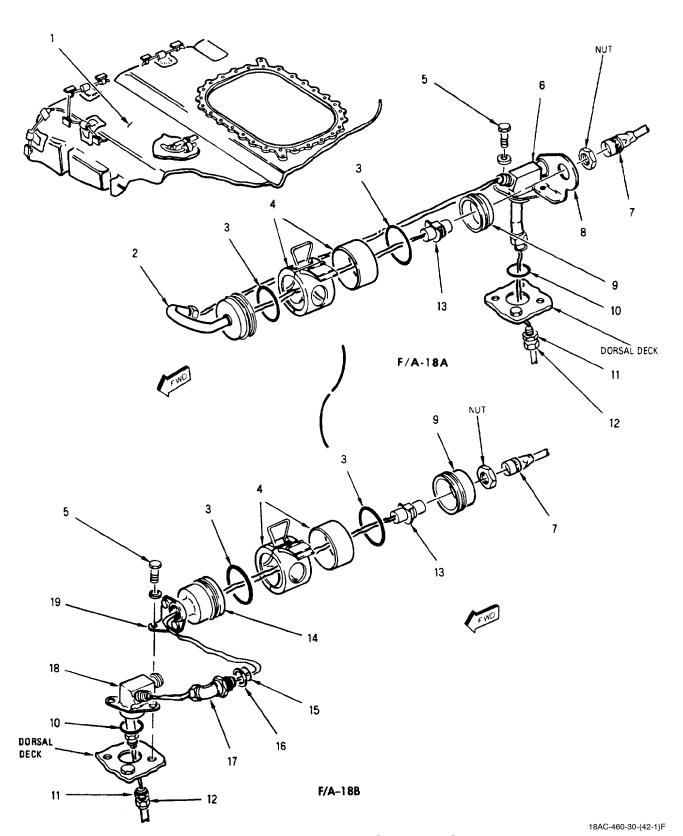


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 1)

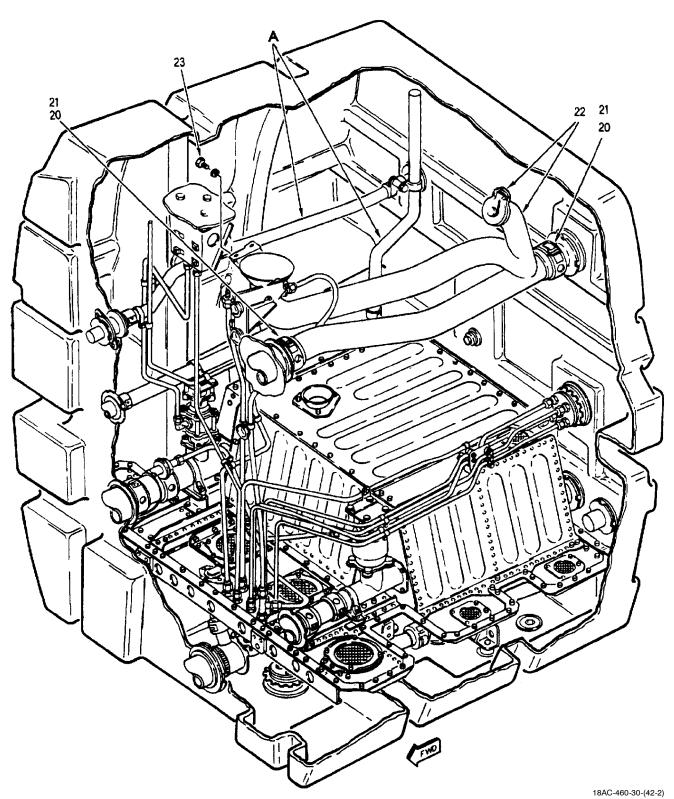


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 2)

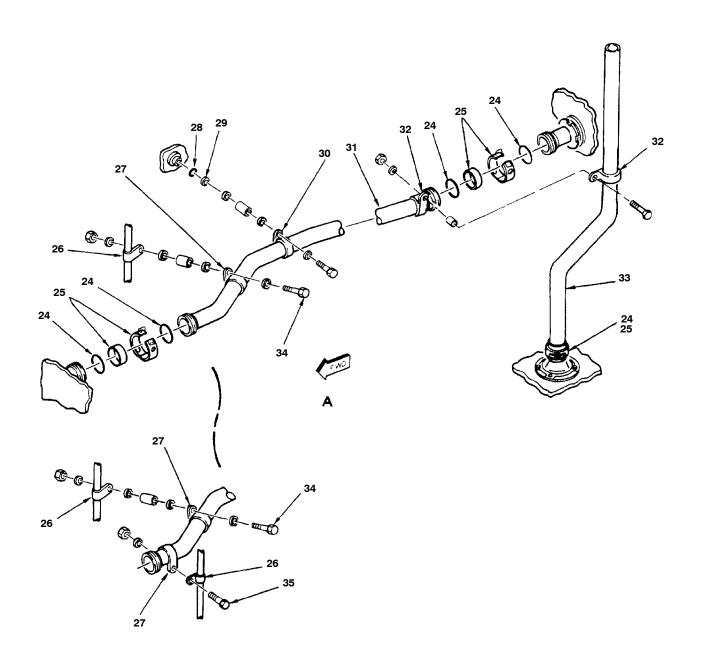


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 3)

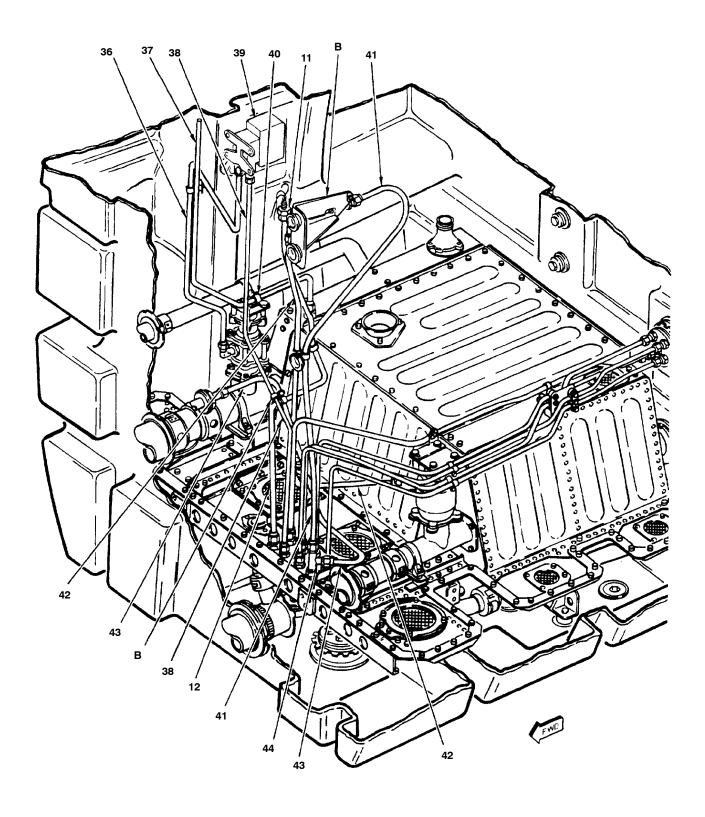


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 4)

18AC-460-30-(42-4)

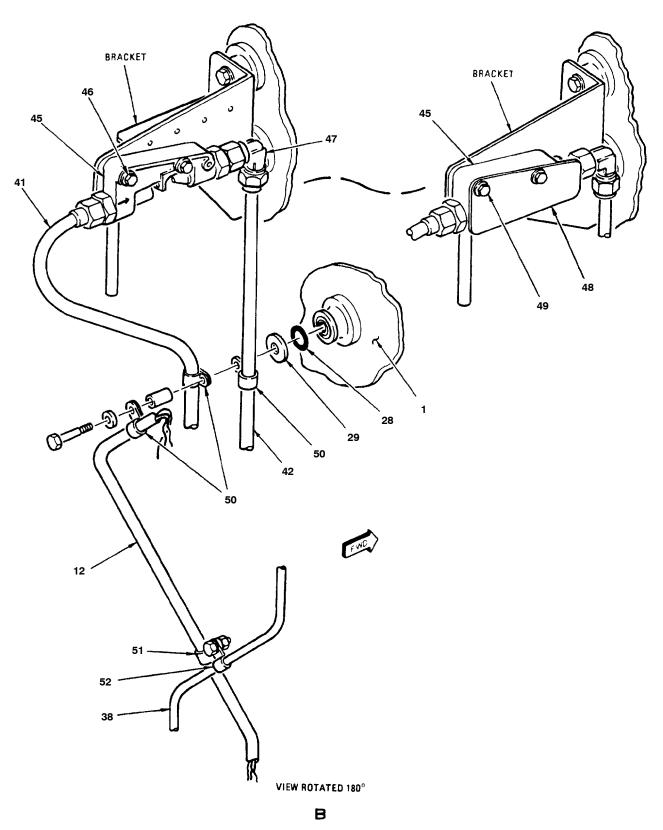


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 5)

18AC-460-30-(42-5)A

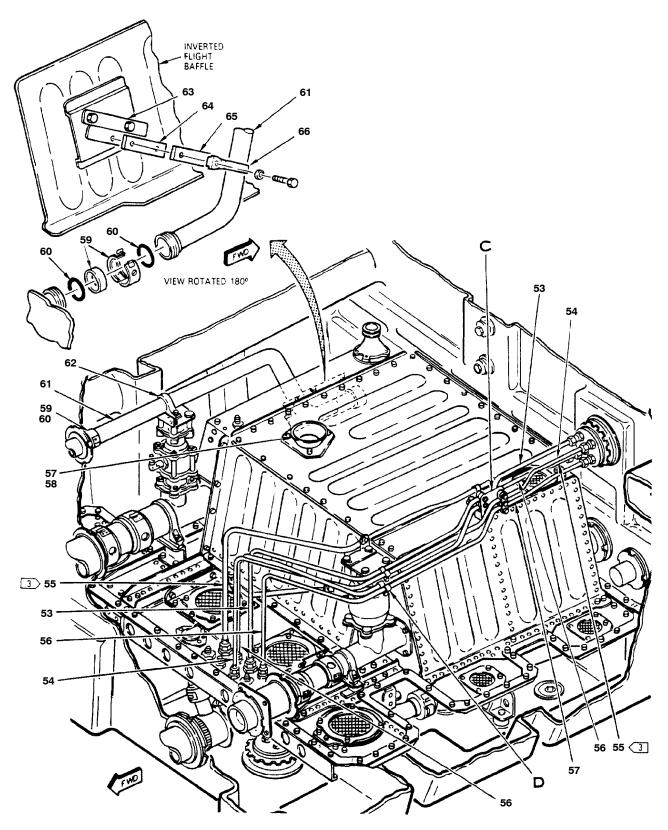


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 6)

18AC-460-30-(42-6)F

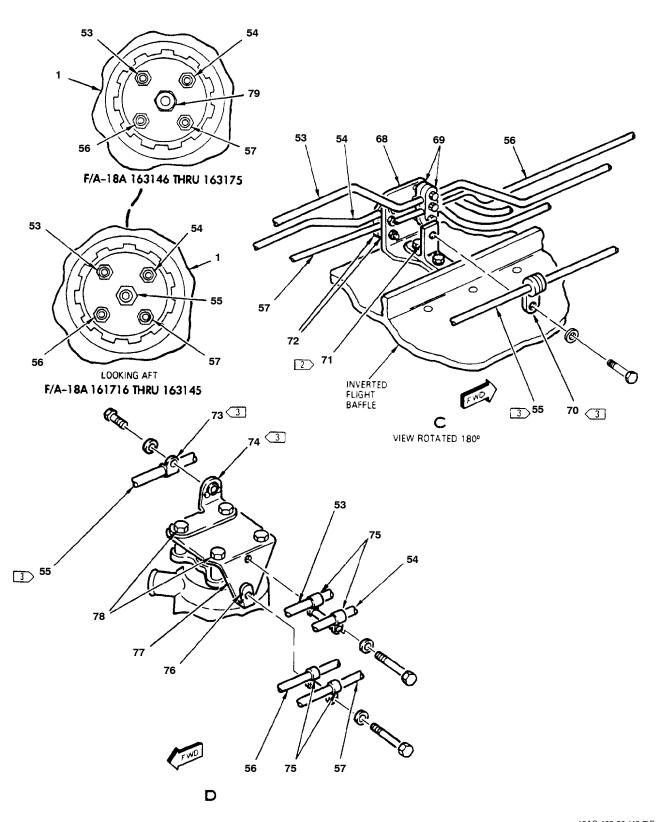


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 7)

18AC-460-30-(42-7)F

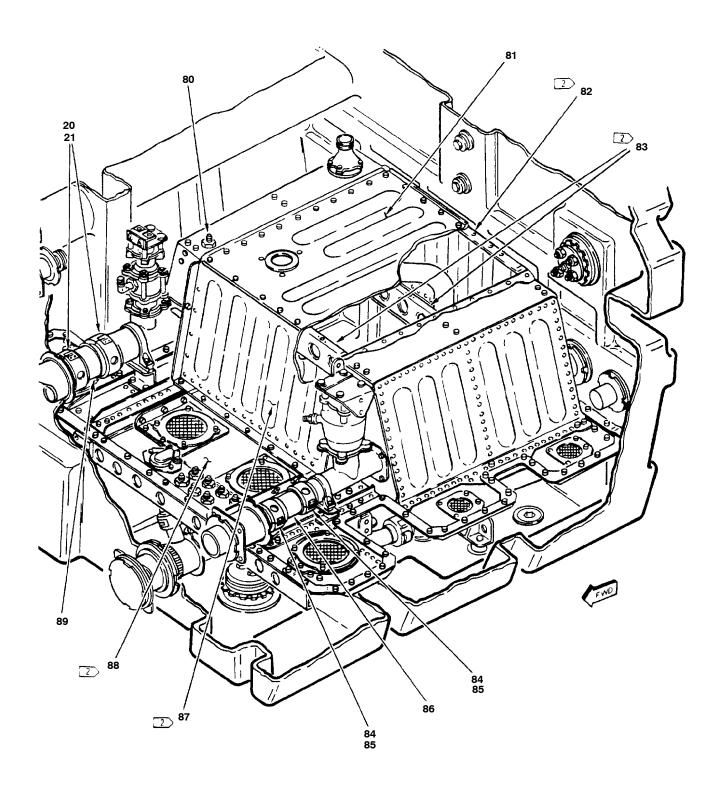


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 8)

18AC-460-30-(42-8)

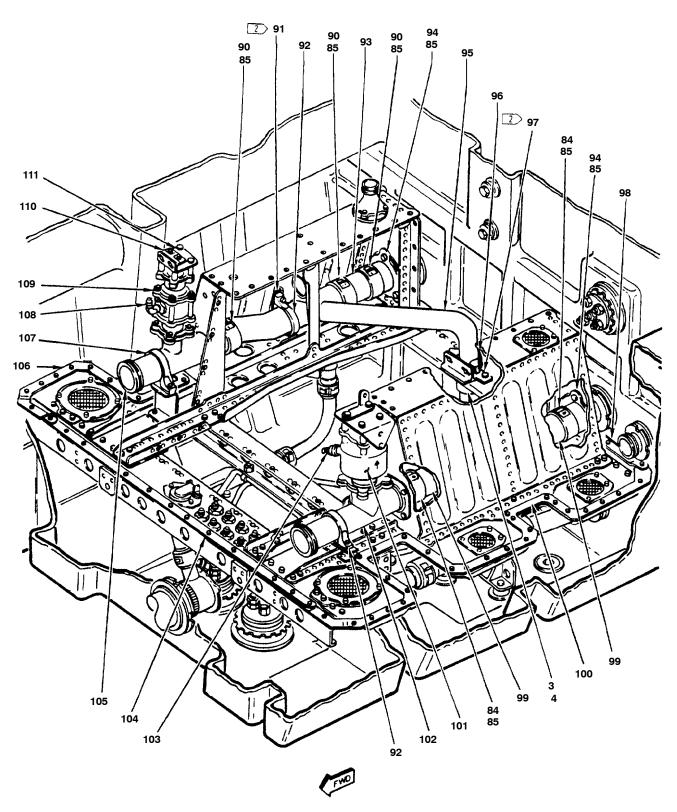


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 9)

18AC-460-30-(42-9)

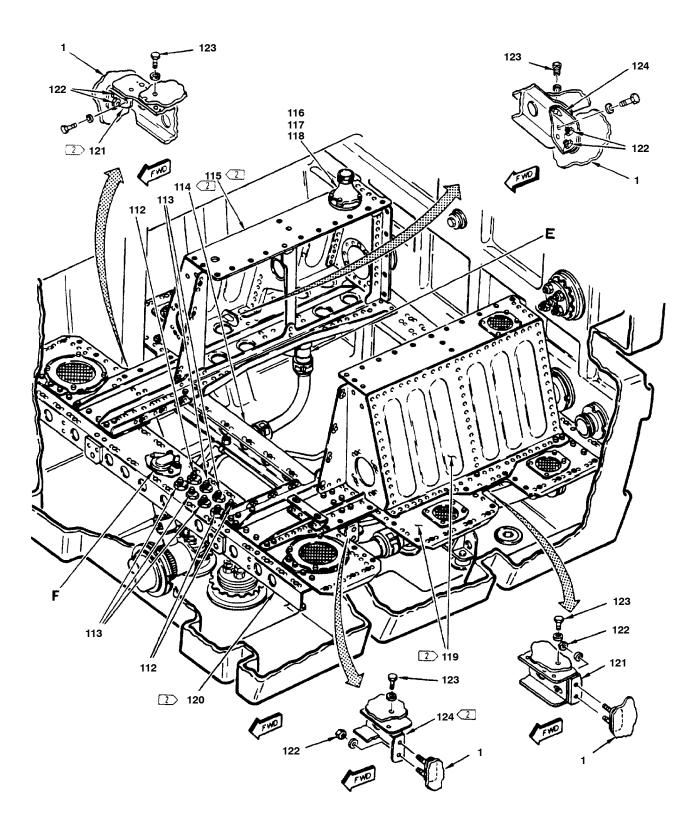


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 10)

18AC-460-30-(42-10)C

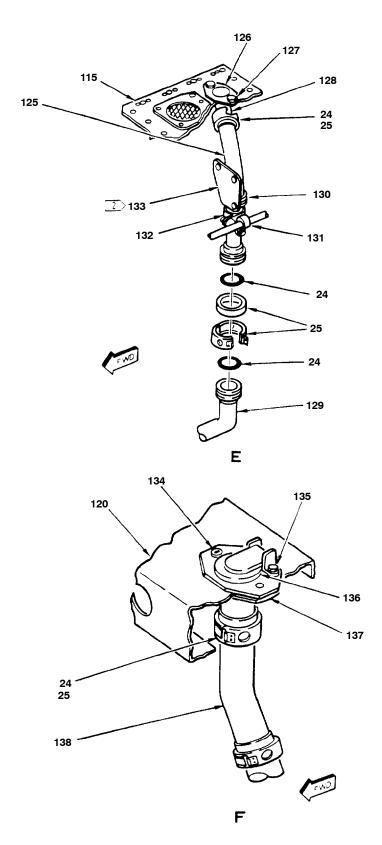


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 11)

18AC-460-30-(42-11)

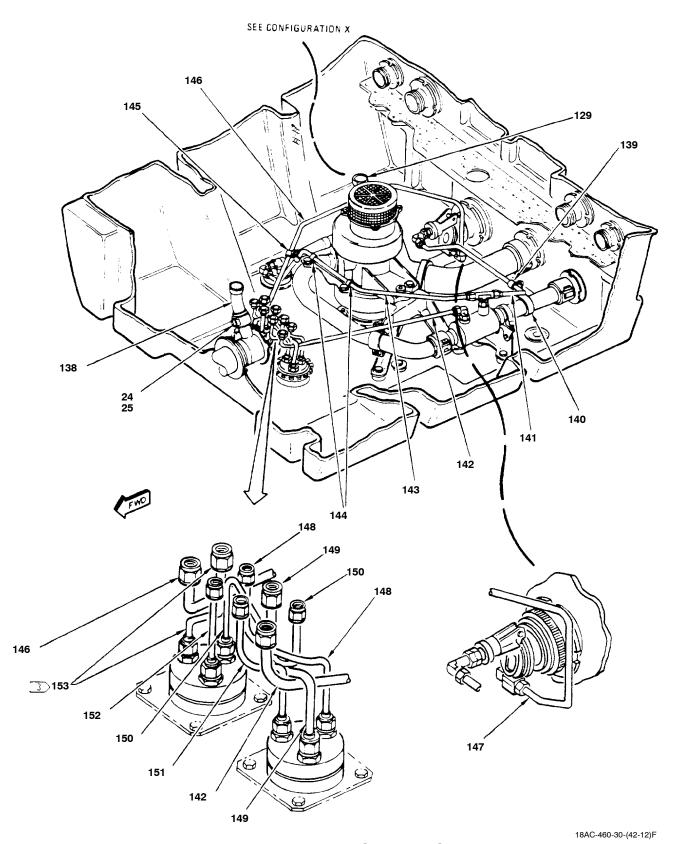


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 12)

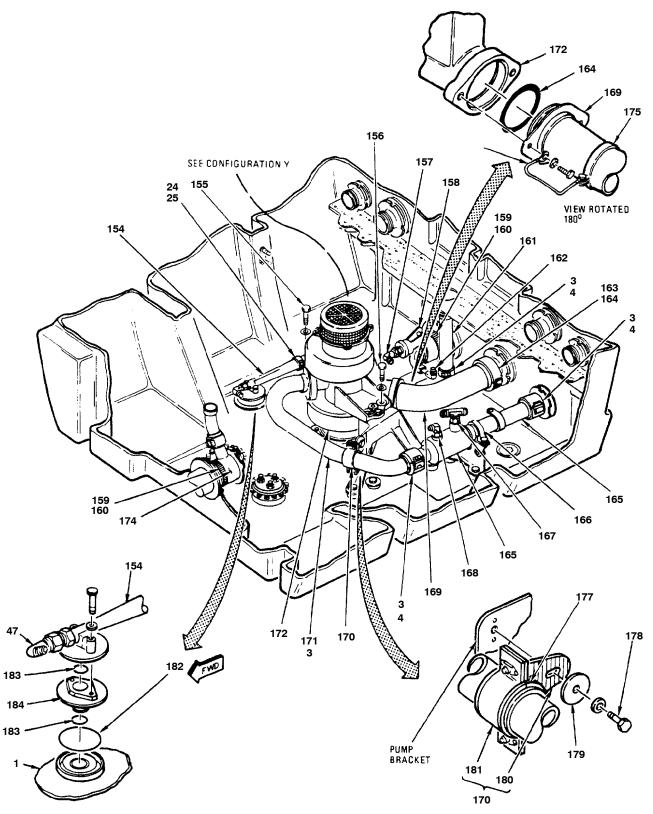
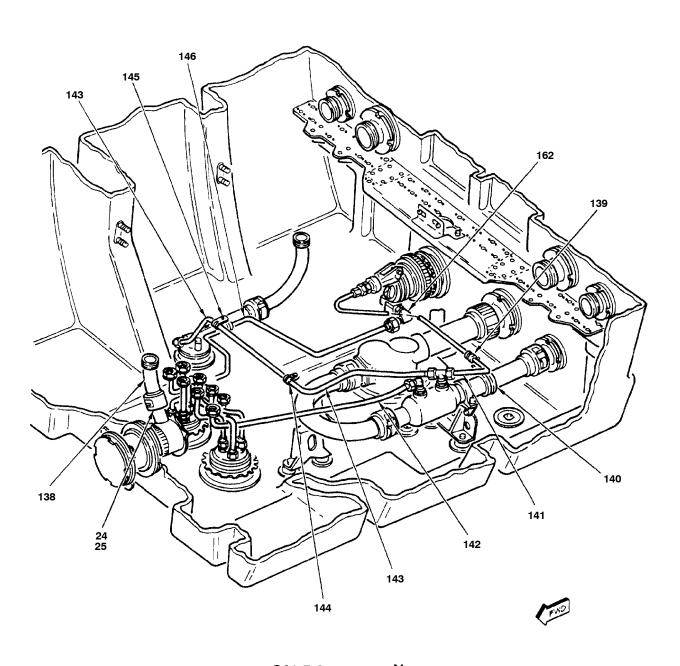


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 13)

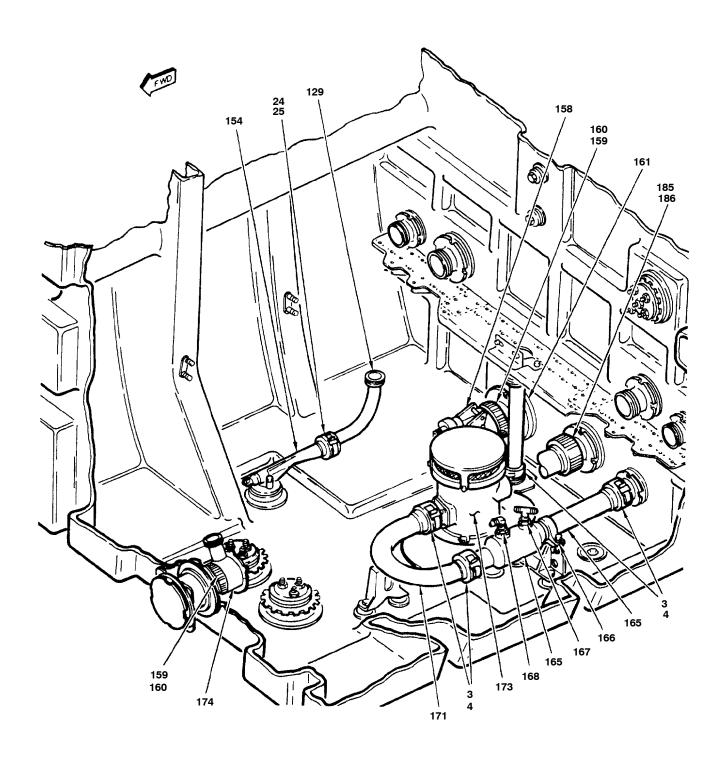
18AC-460-30-(42-13)C



CONFIGURATION X

18AC-460-30-(42-14)D

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 14)



CONFIGURATION Y

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 15)

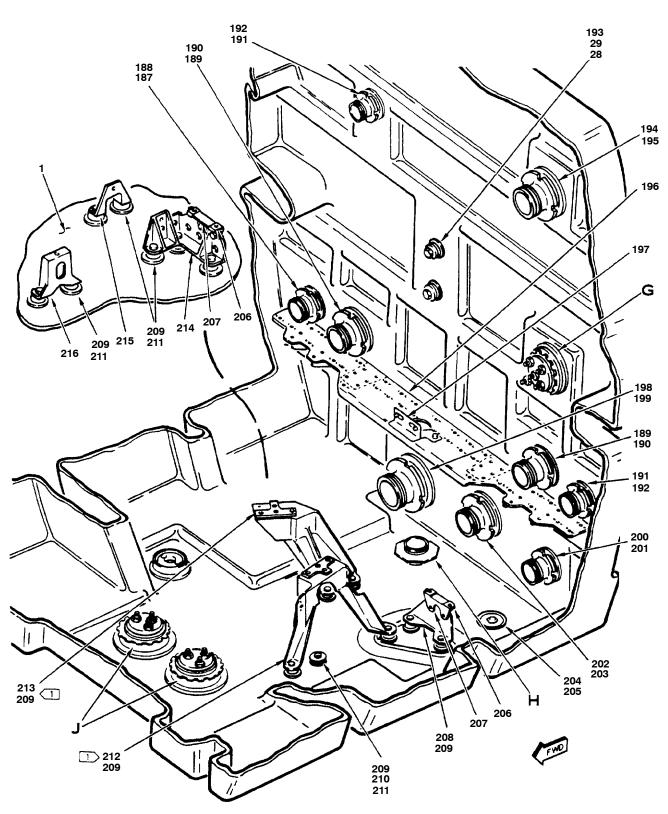


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 16)

18AC-460-30-(42-16)D

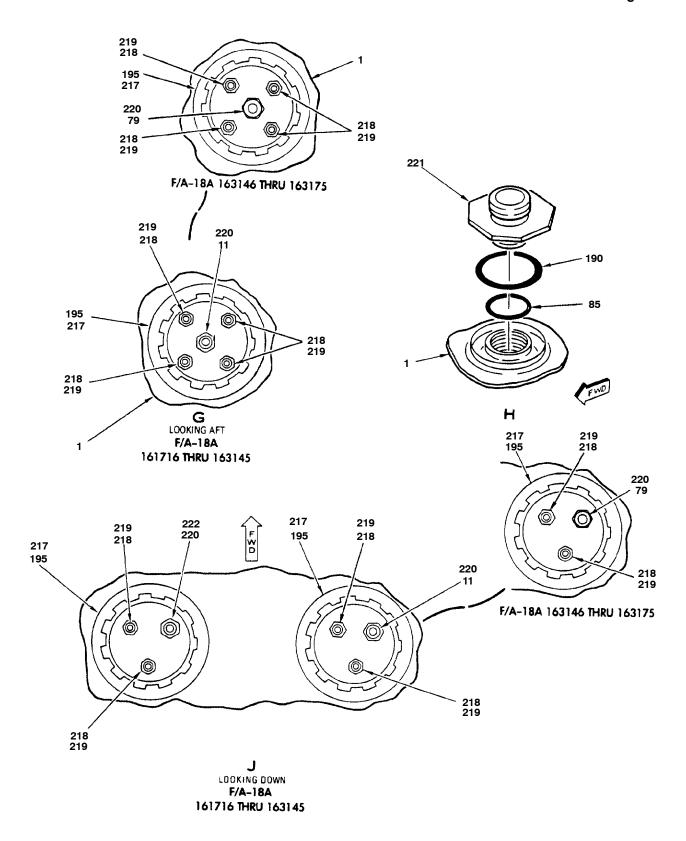


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 17)

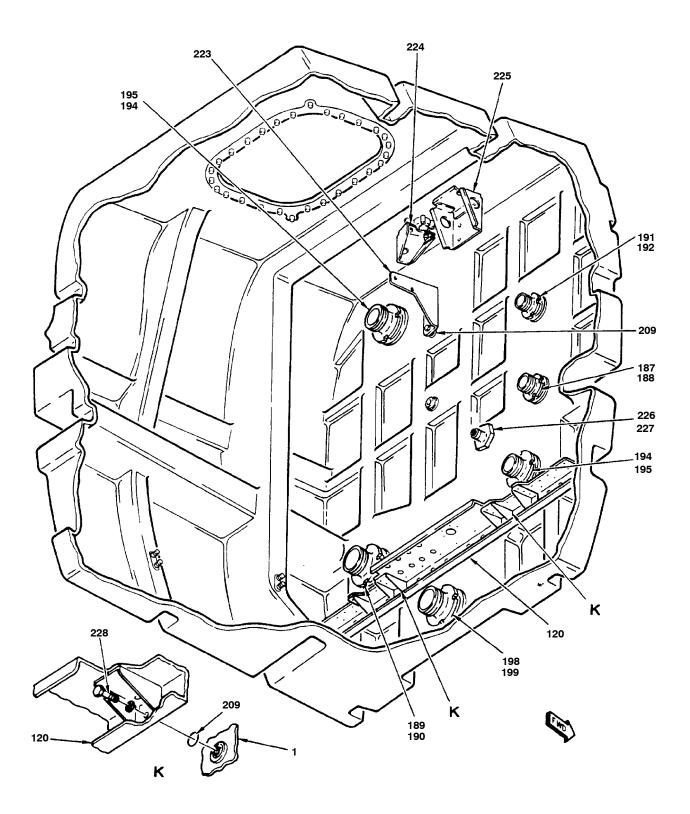


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 18)

18AC-460-30-(42-18)A

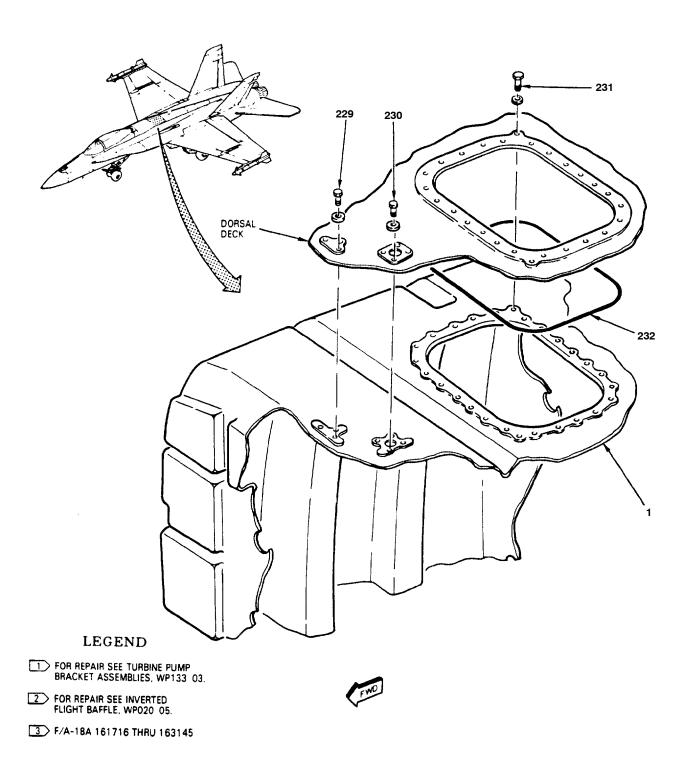


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 19)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	(2002 5	NO. 2 FUEL TANK (5CAP509) (PARTS KIT			D. CDD
1	62002-5 ¢	. TANK, FUEL AIRCRAFT - FUSELAGE	1	*	PAODD
	FCR-63257 ¢	. TANK, FUEL AIRCRAFT - FUSELAGE	1	*	PAODD
2	74A586694-1001	. ADAPTER - JUNCTION BOX,	1	A	XBOZZ
3	MS29513-222	. PACKING	12	F	PAOZZ
	MS29513-222	. PACKING	11	G	PAOZZ
4	W901K24DE	. COUPLING, CLAMP, GROOVED	6	F	PAOZZ
	14J12-24A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	6	F	PAOZZ
	W901F24DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-24D) (INCLUDES SLEEVE)	6	F*	PAOZZ
	W901K24DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	5	G	PAOZZ
	14J12-24A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	5	G	PAOZZ
	W901F24DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-24D) (INCLUDES SLEEVE)	5	G*	PAOZZ
5	NAS674V5	. BOLT	3		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 5)	3		PAOZZ
6	74A586255-1005	. ELBOW, TUBE - 0.50 IN LINE, VENT FUEL SYSTEM (76301) (SUPERSEDES 74A586255-1001)	1	Α	XBOZZ
7	MS27467T11B35S	. CONNECTOR, PLUG (5P-P137)	1		PAOZZ
8	74A586244-2093	BRACKET (76301)	1	A	XBOZZ
9	74A586694-2003	. ADAPTER - JUNCTION BOX,	1	A	XBOZZ
	74A586694-2007	. ADAPTER - JUNCTION BOX, ELECTRICAL, FUEL SYS (76301)	1	В	XBOZZ
10	MS29513-117	. PACKING	1		PAOZZ
11	7M637BD-6D	. NIPPLE (76301)	3		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 20)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
12	74A586681-1005	. TUBE ASSEMBLY, METAL - G FEED	1		MGOZZ
13	KJL7YC103451-3	. CONNECTOR, RECEPTACLE (71468) (MCDONNELL SPEC 5M1701-11D35PN) (INCLUDES NUT) (5J-P137)	1		PAOZZ
14	74A586612-2001	. ADAPTER - ELECTRICAL JUNCTION BOX, NO. 2 FUEL TANK (76301)	1	В	XBOZZ
15	MS29512-06	. PACKING	1	В	PAOZZ
16	MS28773-06	. RETAINER	1	В	PAOZZ
17	ST7M263DA6	. ELBOW (76301)	1	В	PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 17)	1		PAOZZ
18	74A586255-1011	. ELBOW, TUBE - 0.50 IN. LINE, VENT	1	В	XBOZZ
19	74A586244-2065	BRACKET (76301)	1	В	XBOZZ
20	W901K40DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	4		PAOZZ
	14J12-40A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	4		PAOZZ
	W901F40DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-40D) (INCLUDES SLEEVE)	4	*	PAOZZ
21	MS29513-230	. PACKING	8		PAOZZ
22	74A586259-1011	VENT ASSEMBLY, FUEL TANK NO. 2	1		PAOZZ
	74A586259-1009	SEE ABOVE (REPLACED BY	1	*	PAOZZ
	74A585002-2009	. SEE ABOVE (REPLACED BY	1	*	PAOZZ
	74A585002-2001	. SEE ABOVE (REPLACED BY	1	*	PAOZZ
23	NAS674V3	. BOLT	1		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 23)	1		PAOZZ
24	MS29513-214	. PACKING	14		PAOZZ
25	W901K16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	7		PAOZZ
	14J12-16A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	7		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 21)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	W901F16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-16D) (INCLUDES SLEEVE)	7	*	PAOZZ
26	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	2	F	PAOZZ
	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	1	G	PAOZZ
27	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16)	2	F	PAOZZ
	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16)	1	G	PAOZZ
28	M25988/1-312	. PACKING	4		PAOZZ
29	74A586244-2005	. WASHER (RETAINER) (76301)	4		PAOZZ
30	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16)	1		PAOZZ
	NAS673V12	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP) (BETWEEN CLAMP AND TANK)	2		PAOZZ
	NAS43DD3-32	. SPACER (AP) (BETWEEN CLAMP AND	1		PAOZZ
31	74A586271-1007	. TUBE ASSEMBLY, METAL - WING REFUEL, TANK 2 BYPASS (76301) (SUPERSEDES 74A586271-1005)	1		XBOZZ
32	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16)	2		PAOZZ
	NAS673V4	. BOLT (AP)	1		PAOZZ
	NAS43DD3-20	. SPACER (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
33	74A586252-1007	. TUBE ASSEMBLY, METAL - VENT,	1		MGOZZ
34	NAS673V25	. BOLT	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 34)	4		PAOZZ
	NAS43DD3-68	. SPACER (USE WITH INDEX 34)	1		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 34)	1		PAOZZ
35	NAS673V5	. BOLT	1		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 35)	1		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 35)	1		PAOZZ
36	74A586250-1009	TUBE ASSEMBLY, METAL - FLOAT V	1		MGOZZ
37	74A586242-1005	. TUBE ASSEMBLY, METAL - VENT, AFT, INVERTED FLT COMPT (76301)	1	F	MGOZZ
38	74A586821-1005	TUBE ASSEMBLY, METAL	1	D	MGOZZ
	74A586821-1015	TUBE ASSEMBLY, METAL	1	E	MGOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 22)

	7			1	Т
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
39	2800095-101	. VALVE, FLOAT, AIRCRAFT - PILOT	1		PAOZZ
	2800018-101	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS673V3	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	7M637BD-4D	. NIPPLE (76301) (USE WITH INDEX 39)	1		PAOZZ
	MS29512-04	. PACKING (USE WITH INDEX 39)	1		PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 39)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 39)	1		PAOZZ
40	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	1	F	PAOZZ
	NAS673V9	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	A11144-7-3	. NUT, CLIP (AP) (72962) (MCDONNELL SPEC ST3M523C3M)	1	*	PAOZZ
	130091	. NUT, CLIP (AP) (76530) (MCDONNELL SPEC ST3M523C3M)	1	*	PAOZZ
41	74A586243-1003	. TUBE ASSEMBLY, METAL - JET LVL SENSOR, FUEL TK NO. 2 (76301)	1		XBOZZ
42	74A586245-1005	. TUBE ASSEMBLY, METAL - JET LEVEL SENSOR, TK NO. 2 (76301) (SUPERSEDES 74A586245-1003)	1		AGOGG
43	74A586299-1005	. TUBE ASSEMBLY, METAL - SCAV MF,	1		MGOZZ
44	7M151V6	. TEE (76301)	1		PAOZZ
45	2760009-105	SENSOR, FUEL LEVEL JET OPERATED (TANK 2) (NO. 2 FUEL TANK FUEL LEVEL SENSOR) (92003) (MCDONNELL SPEC 74-580123-105) (5VAP595)	1	J	PAOZZ
	2760009-103	SEE ABOVE (MCDONNELL SPEC	1	K	PAOZZ
46	NAS673V16	. BOLT	2	J	PAOZZ
	AN960JD10	. WASHER (USE WITH INDEX 46)	2	J	PAOZZ
	AN960JD10	. WASHER (BETWEEN SENSOR AND	2	J	PAOZZ
47	7M148V6	. ELBOW (76301)	2		PAOZZ
48	74A586244-2063	. SHIELD (76301)	1	K	XBOZZ
49	NAS673V21	. BOLT	2	K	PAOZZ
	AN960JD10L	. WASHER (AP) (UNDER BOLT) (USE	2		PAOZZ
	AN960JD10	. WASHER (AP) (BETWEEN SENSOR &	2		PAOZZ
	NAS43DD3-18	. SPACER (AP) (BETWEEN SENSOR &	2		PAOZZ
50	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	3		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 23)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	NAS673V22	. BOLT (AP)	1		PAOZZ
	AN960JD416L	. WASHER (AP)	1		PAOZZ
	NAS43DD3-64	. SPACER (AP)	1		PAOZZ
51	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	1		PAOZZ
52	MS25281R4	. CLAMP (SUPERSEDES MS25281-4)	1		PAOZZ
	NAS673V2	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
53	74A586810-1013	TUBE ASSEMBLY, METAL	1		MGOZZ
54	74A586812-1013	TUBE ASSEMBLY, METAL	1		MGOZZ
55	74A586683-1007	. TUBE ASSEMBLY, METAL - SYSTEMS	1	N	MGOZZ
56	74A586273-1013	TUBE ASSEMBLY, METAL	1		MGOZZ
57	74A586811-1015	TUBE ASSEMBLY, METAL	1		MGOZZ
58	74A586297-2001	GUIDE, PROBE - FUEL QTY, TANK	1		XBOZZ
	NAS673V4	. BOLT (AP)	3	F	PAOZZ
	NAS673V5	. BOLT (AP)	3	G	PAOZZ
	4M36-01016	. WASHER, FLAT (AP) (76301) (2 UNDER EACH BOLT)	6		PAOZZ
	NAS43DD3-8	. SPACER (AP)	3	F	PAOZZ
	NAS43DD3-11	. SPACER (AP)	3	G	PAOZZ
59	74A586556-2001	. GASKET, PROBE GUIDE - RAISED	1	G	MDOZZ
60	W901K20DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	2	*	PAOZZ
	14J12-20A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	2	*	PAOZZ
61	MS29513-218	. PACKING	4		PAOZZ
62	74A586270-1009	. TUBE ASSEMBLY - M/F PRESS TO	1	F	XBOZZ
	74A586389-1003	. TUBE ASSEMBLY - M/F PRESS TO TANK 1, TANK 2 (76301)	1	G	MGOZZ
63	NAS1787A20G	. CLAMP	1		PAOZZ
	NAS673V9	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	A11144-7-3	NUT, CLIP (AP) (72962) (MCDONNELL	2	*	PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 24)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	130091	. NUT, CLIP (AP) (76530) (MCDONNELL	2	*	PAOZZ
64	74A586247-1045	. BRACKET ASSY (76301) (FOR REPAIR SEE WP 020 05)	1		XBOOO
	NAS673V2	. BOLT (AP)	2		PAOZZ
	4M36-01060	. WASHER, FLAT (76301) (AP)	2		PAOZZ
65	74A586247-2109	. SPACER (76301)	1		MGOZZ
66	74A586247-2107	. SHIM (76301)	1		MGOZZ
67	NAS1787A20G	. CLAMP	1		PAOZZ
	NAS673V #	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
68	74A586247-2065	BRACKET (76301)	1		XBOZZ
69	ST9M591-4	. BLOCK - COILED TUBE SUPPORT(HALF) (76301)	2		PAOZZ
	NAS673V13	. BOLT (AP)	3		PAOZZ
	AN960JD10L	. WASHER (AP)	3		PAOZZ
	NAS43DD3-18	. SPACER (AP)	3		PAOZZ
	NAS1291C3M	. NUT (AP)	3		PAOZZ
70	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	1	N	PAOZZ
	NAS673V3	. BOLT (AP)	1		PAOZZ
	AN960JD416L	. WASHER (AP)	1		PAOZZ
71	74A586387-1059	BRACKET ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
	NAS673V7	BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
72	ST9M591-4	. BLOCK - COILED TUBE SUPPORT (HALF) (76301)	2		PAOZZ
	NAS673V9	. BOLT (AP)	3		PAOZZ
	AN960JD10L	. WASHER (AP)	3		PAOZZ
	NAS1291C3M	. NUT (AP)	3		PAOZZ
73	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	1	N	PAOZZ
	NAS673V3	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
74	74A586387-1061	BRACKET ASSY (76301)	1	N	XBOOO
	74A586387-2143	. BRACKET (76301) (SUPERSEDES	1		XBOZZ
	NS103597-02	. NUT, SELF-LOCKING, PLATE (80539) (MCDONNELL SPEC ST3M470C3M) (USE WITH INDEX 74)	1	*	PAOZZ
	F10965-1-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M470C3M) (USE WITH INDEX 74)	1	*	PAOZZ
	F29339-01-3	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M470C3M) (USE WITH INDEX 74)	1	*	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
75	MS25281R4	. CLAMP (SUPERSEDES MS25281-4)	4		PAOZZ
	NAS673V13	BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	NAS43DD3-40	. SPACER (AP)	2		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 25)

INDEX NO.	PART NUMBER	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
76	A11144-7-3	NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M)	1	*	PAOZZ
	130091	NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M)	1	*	PAOZZ
77	74A586244-1005	CLIP ASSY (76301)	1		XBOGG
	MS21060L3	NUT, PLATE (USE WITH INDEX 77)	1		PAOZZ
	MS20426AD3 #	RIVET (AP)	2		-
78	NAS674V21	BOLT	4		PAOZZ
	AN960JD416L	WASHER (USE WITH INDEX 78)	4		PAOZZ
	NAS42DD8-80	SPACER (USE WITH INDEX 78)	4		PAOZZ
79	AN814-6D	PLUG		L	PAOZZ
80	7M637BT-6D	NIPPLE (76301)	1	F	PAOZZ
	AN960JD416	WASHER (USE WITH INDEX 80)	1		PAOZZ
	AN924-6D	NUT (USE WITH INDEX 80)	1		PAOZZ
81	74A586247-1029	COVER (76301) (FOR REPAIR SEE			XBOOO
	NAS673V4	BOLT (AP)	AR		PAOZZ
	AN960JD10L	WASHER (AP)	AR		PAOZZ
82	74A586247-1051	PANEL, AFT (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
	74A586247-1047	SEE ABOVE	1	*	XBOOO
	NAS673V4	BOLT (AP)	AR		PAOZZ
	AN960JD10L	WASHER (AP)	AR		PAOZZ
83	74A586247-1003	SUPPORT (76301) (FOR REPAIR SEE WP020 05)	2		XBOOO
	NAS673V4	BOLT (AP)	AR		PAOZZ
	AN960JD10L	WASHER (AP)	AR		PAOZZ
84	W901K32DE	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	4	*	PAOZZ
	14J12-32A	COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	4	*	PAOZZ
85	MS29513-226	PACKING	15		PAOZZ
86	74A586216-1003	TUBE ASSEMBLY, METAL - REFUEL, TANK NO. 2 (76301)	1		XBOZZ
87	74A586246-2011	FWD PANEL ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
	NAS673V4	BOLT (AP)	AR		PAOZZ
	AN960JD10L	WASHER (AP)			PAOZZ
88	74A586247-1061	DOUBLER PANEL (76301) (FOR REPAIR SEE WP020 05) (SUPERSEDES 74A586247-1013)			XBOOO
	NAS673V4	BOLT (AP)	AR		PAOZZ
	AN960JD10L	WASHER (AP)			PAOZZ
89	74A586287-1005	TUBE ASSEMBLY, METAL - FUEL TANK NO. 2 & 3 (76301) (SUPERSEDES 74A586287-1001)	1		XBOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 26)

	I	T			
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	<u>l</u>	<u> </u>]		
90	W901K32DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	3		PAOZZ
	14J12-32A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	3		PAOZZ
	W901F32DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-32D) (INCLUDES SLEEVE)	3	*	PAOZZ
91	74A586387-1089	BRACKET ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
	NAS673V4	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
92	NAS1787A32G	. CLAMP	2		PAOZZ
	NAS673V9	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
93	74A586216-1005	. TUBE ASSEMBLY, METAL - REFUEL,	1		XBOZZ
94	74A586248-2005	. CONNECTOR, FLANGE (76301)	2		XBOZZ
	NAS674V4	. BOLT (AP)	3		PAOZZ
	4M36-01016	. WASHER, FLAT (AP) (76301) (2 UNDER HEAD)	6		PAOZZ
	NAS43DD3-8	. SPACER (AP)	3		PAOZZ
95	74A586249-1001	. MANIFOLD, REFUEL AIRCRAFT FUEL TANK NO. 2 (76301)	1		XBOZZ
96	NAS1787A24G	. CLAMP	1		PAOZZ
	NAS673V9	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
97	74A586387-1065	. BRACKET (76301) (FOR REPAIR SEE	1		XBOOO
	NAS673V10	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
98	74A586247-2049	. RETAINER (76301)	1		XBOZZ
	NAS1351C3-10	. SCREW (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
99	74A586338-1003	. TUBE ASSEMBLY, METAL - XFR & DEFUEL LINES FTK NO. 2 & 3 (76301)	1		XBOZZ
100	74A586247-2103	. RETAINER (76301) (SUPERSEDES	1		XBOZZ
	NAS1351C3-10	. SCREW (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
101	2760008-117	. VALVE, SHUTOFF - FUEL TRANSFER (TANK 2) (NO. 2 FUEL TANK TRANSFER SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580163-115) (5VAP597)	1		PAOZZ
	2760008-115	. SEE ABOVE	1	*	PAOZZ
	2760008-111	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS674V4	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	MS29513-229	. PACKING (USE WITH INDEX 101)	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 27)

INDEX	PART	DESCRIPTION	UNITS PER	USE ON	SM&R
NO.	NUMBER	1 2 3 4 5 6 7	ASSY	CODE	CODE
102	74A586272-2011	. TEE ASSEMBLY, TRANSFER VALVE	1		XBOZZ
	NAS673V4	. BOLT (AP)	4		PAOZZ
	AN960JD10L	. WASHER (AP)	4		PAOZZ
103	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
	MS29512-06	PACKING (USE WITH INDEX 103)	1		PAOZZ
104	74A586247-2051	RETAINER (76301)	1		XBOZZ
	NAS1351C3-10	. SCREW (AP)	AR		PAOZZ
	AN960JD10L	WASHER (AP)	AR		PAOZZ
105	74A586251-1001	. REDUCER, REFUEL - TUBE ASSEMBLY (76301)	1		XBOZZ
	NAS673V4	. BOLT (AP)	4		PAOZZ
	AN960JD10L	. WASHER (AP)	4		PAOZZ
106	74A586247-2104	. RETAINER (76301) (SUPERSEDES	1		XBOZZ
	NAS1351C3-10	. SCREW (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
107	NAS1787A40G	. CLAMP	1		PAOZZ
	NAS673V9	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
108	7M148V6	. ELBOW (76301)	1		PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 108)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 108)	1		PAOZZ
109	2760113-113	. VALVE, CHECK - REFUEL-LEVEL (NO	1		PAOZZ
	2760113-111	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2760113-109	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2760113-107	. SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS674V4	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	MS29513-224	. PACKING (BELOW VALVE) (USE	1		PAOZZ
	74A581029-2001	. RESTRICTOR FLUID FLOW PRESSURE FUELING LINE (76301) (ABOVE VALVE) (USE WITH INDEX 109)	1		MGOZZ
110	74A586244-1013	. ANGLE ASSY (76301)	1		XBOGG
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 110)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
111	74A586244-2041	. BRACKET (76301)	1		XBOZZ
	NAS674V20	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	NAS42DD8-80	. SPACER (AP)	4		PAOZZ
112	7M637BT-6D @	. NIPPLE (76301)	3		PAOZZ
	AN924-6D	. NUT (AP)	3		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 28)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
113	7M637BT-4D @		NIPPLE (76301)	5		PAOZZ
	AN924-4D		NUT (AP)	5		PAOZZ
114	74A586246-2005	•	CENTER BEAM ASSY (76301) (FOR	1		XBOOO
115	74A586246-2009		WEB ASSY, RIGHT (76301) (FOR	1		XBOOO
	NAS673V4	•	BOLT (AP)	AR		PAOZZ
	AN960JD10L		WASHER (AP)	AR		PAOZZ
116	74A586248-2007		CONNECTOR, FLANGE (76301)	1		XBOZZ
	NAS1802-06-9		SCREW (AP)	4		PAOZZ
	AN960JD6L	•	WASHER (AP)	8		PAOZZ
	NAS1291C06M		NUT (AP)	4		PAOZZ
117	55-6004		DISK ASSEMBLY, VALVE CHECK,	1	*	PAOZZ
	20C112-109		SEE ABOVE (82829)	1	*	PAOZZ
118	74A586248-2013		RESTRICTOR (76301) (SUPERSEDES	1		XBOZZ
119	74A586246-2007		WEB ASSY, LEFT (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
	NAS673V4		BOLT (AP)	AR		PAOZZ
	AN960JD10L		WASHER (AP)	AR		PAOZZ
120	74A586246-2003		FWD BEAM ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
121	74A586208-1003	•	BRACKET, BAFFLE - FUEL TANK,	2		XBOOO
	NAS673V4		BOLT (AP)	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
122	NAS1291C4M		NUT (USE WITH STUD THRUBLADDER)	8		PAOZZ
	AN960JD416	•	WASHER (USE WITH INDEX 122)	8		PAOZZ
123	NAS673V5	•	BOLT (THRU LEFT AND RIGHT WEBASSYS AND BAFFLE BRACKET)	4		PAOZZ
	AN960JD10L		WASHER (USE WITH INDEX 123)	4		PAOZZ
124	74A586208-1004	•	BRACKET, BAFFLE - FUEL TANK,	2		XBOOO
	NAS673V4	•	BOLT (AP)	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
125	74A586298-1005		TUBE ASSEMBLY, METAL SCAVENGE PUMP TO BAFFLE (76301)	1		XBOZZ
126	74A586637-1001		SCREEN ASSY (76301)	1		XBOZZ
127	NAS673V5		BOLT (AP)	2		PAOZZ
	AN960JD10L	•	WASHER (AP)	2		PAOZZ
	NAS1291C3M	•	NUT (AP)	2		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 29)

	T		11117770		
NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
128	74A586665-1001	. ADAPTER ASSEMBLY, SCAVENGE	1		XBOZZ
129	74A586237-1009	. TUBE ASSEMBLY, METAL - SCAVENGE	1		XBOZZ
130	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16)	1		PAOZZ
	NAS673V3	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
131	MS25281-R16	. CLAMP (SUPERSEDES MS25281-16)	1	G	PAOZZ
132	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	1	G	PAOZZ
	NAS673V32	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	NAS43DD3-96	. SPACER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
133	74A586247-1035	. BRACKET ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
	NAS673V3	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
134	NAS663V3HT	. SCREW	2		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 134)	2		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 134)	2		PAOZZ
135	NAS1802-06-8	. SCREW	2		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 135)	2		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 135)	2		PAOZZ
136	55-6004	DISK ASSEMBLY, VALVE, CHECK,	1	*	PAOZZ
	20C112-109	. SEE ABOVE (82829)	1	*	PAOZZ
137	74A586202-2003	. ADAPTER TUBE - SCAVENGE, TANK NO. 2 (76301)	1		XBOZZ
138	74A586252-1005	. TUBE ASSEMBLY, METAL - VENT,	1		XBOZZ
139	MS25281R6	. CLAMP (SUPERSEDES MS25281-6)	1		PAOZZ
140	MS25281R24	. CLAMP (SUPERSEDES MS25281-24)	1		PAOZZ
	NAS673V19	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS43DD3-53	. SPACER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
141	74A586827-1003	. TUBE ASSEMBLY, METAL - PRESS, FILTER TEE - Y410, VALVE TEE (76301)	1	F	MGOZZ
	74A587105-1005	. TUBE ASSEMBLY, METAL - SCAV MOTIVE FLOW, Y406 - Y397 PUMP (76301) (SUPERSEDES 74A587105-1001 AND 74A587105-1003)	1	G	MGOZZ
142	74A586275-1009	. TUBE ASSEMBLY, METAL - PRESS	1		MGOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 30)

	1	1		,
INDEX NO.	PART NUMBER	DESCRIPTION	ITS USE ER ON SY CODE	SM&R CODE
143	74A586274-1003	. TUBE ASSEMBLY, METAL - SCAV	1 F	MGOZZ
	74A587103-1005	TUBE ASSEMBLY, METAL - SCAV	1 G	MGOZZ
144	MS25281R6		1 F	PAOZZ
	MS25281R6	,	2 G	PAOZZ
	NAS673V2	,	1	PAOZZ
	AN960JD10L		1	PAOZZ
	NAS1291C3M		1	PAOZZ
145	MS25281R6	· ·	2	PAOZZ
	NAS673V14		1 F	PAOZZ
	NAS673V4			PAOZZ
	AN960JD10L		1	PAOZZ
	NAS43DD3-32		1 F	PAOZZ
	NAS1291C3M	, , ,	1	PAOZZ
146	74A586680-1005		1 F	MGOZZ
	74A587122-1003	. TUBE ASSEMBLY, METAL - GRAVITY FEED SIGNAL, TANK 2 (76301)	M	MGOZZ
147	74A587122-1005	. TUBE ASSEMBLY, METAL - GRAVITY FEED SIGNAL, TANK 2 (76301)	1 L	MGOZZ
148	4A586813-1007	TUBE ASSEMBLY, METAL	1	MGOZZ
149	74A586814-1007	TUBE ASSEMBLY, METAL	1	MGOZZ
150	74A586815-1005	,	1	MGOZZ
151	74A586816-1009	TUBE ASSEMBLY, METAL	1	MGOZZ
152	74A586822-1009	TUBE ASSEMBLY, METAL	1	MGOZZ
153	74A586830-1003	. TUBE ASSEMBLY, METAL - ULLAGE PRESS SNSR, Y391 UN - 389 UN (76301)	1 N	MGOZZ
154	2760101-101	MANIFOLD, SCAVENGE (REFUELING MANIFOLD SCAVENGE JET EJECTOR) (92003) (MCDONNELL SPEC 74-580112-103) (5BAP598)	I	PAOZZ
	NAS673V2		2	PAOZZ
	AN960JD10L	()	2	PAOZZ
155	NAS674V15	BOLT	3	PAOZZ
	AN960JD416	. WASHER	3	PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 31)

	T				1
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
456	NACCEANAS	DOLL	2		D4.077
156	NAS674V15	BOLT	3	С	PAOZZ
	AN960JD416	. WASHER	3	С	PAOZZ
	NAS674V17	BOLT	3	Н	PAOZZ
	AN960JD416	. WASHER	3	H	PAOZZ
157	7M637BW-6D	. ELBOW (76301)	1	G	PAOZZ
	MS29512-06	PACKING (USE WITH INDEX 157)	1		PAOZZ
	MS28773-06	RETAINER (USE WITH INDEX 157)	1		PAOZZ
4.50	AN6289D6	. NUT (USE WITH INDEX 157)	1		PAOZZ
158	55-7600-5	. VALVE, INTERCONNECT, FUEL	1		PAOZZ
	74B580188-1001	SEE ABOVE (76301) (REPLACES	1	*	PAOZZ
	41400-111	SEE ABOVE (04192) (MCDONNELL	1	*	PAOZZ
	74B580071-1003 +	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	*	PAOZZ
	41400-109 +	SEE ABOVE (04192) (MCDONNELL	1	*	PAOZZ
159	W702-40D	NUT ASSEMBLY, TUBE COUPLING(79326) (MCDONNELL SPEC ST7M191-40D) (INCLUDES NUT AND 2 WASHERS)	2	*	PAOZZ
	12H72-40A	. SEE ABOVE (24984)	2	*	PAOZZ
160	NS29513-334	. PACKING	2		PAOZZ
161	74A586287-1003	TUBE ASSEMBLY, METAL - FUELTANK NO. 2 & 3 (76301)	1		XBOZZ
162	7M148V6	. ELBOW (76301)	1	N	PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 162)	1	N	PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 162)	1	N	PAOZZ
163	W901K40DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	1	G	PAOZZ
	14J12-40A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	1	G	PAOZZ
	W901F40DE	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-40D) (INCLUDES SLEEVE)	1	G*	PAOZZ
164	MS29513-230	. PACKING	3	G	PAOZZ
165	74A586268-1003	FILTER, FLUID PRESSURE - FUEL	1		PAOZZ
166	NAS1787A24G	. CLAMP	1		PAOZZ
	NAS673V5	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
167	7M637BX-6D	. TEE (76301)	1		PAOZZ
	AN924-6D	. NUT (USE WITH INDEX 167)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 167)	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 32)

INIDEN	DADT		UNITS	USE	OMAD
NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	PER ASSY	ON CODE	SM&R CODE
168	7M637BW-6D	. ELBOW (76301)	1		PAOZZ
100	AN924-6D	. NUT (USE WITH INDEX 168)	1		PAOZZ
	MS29512-06	PACKING (USE WITH INDEX 168)	1		PAOZZ
169	74A587118-1001	. TUBE ASSEMBLY, METAL - TURBO	1	G	XBOZZ
	NAS674V4	. BOLT (AP)	2		PAOZZ
	4M36-02069	. WASHER, FLAT (AP) (76301)	2		PAOZZ
170	74A586750-1003	. CLAMP - FUEL LINE, MOTIVE FLOW TO TURBO PUMP (76301)	1	G	XBOOO
	74A586750-1001	. SEE ABOVE	1	G*	XBOOO
171	74A586269-1003	. TUBE ASSEMBLY, METAL - FUEL	1	F	XBOZZ
	NAS673V3	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	74A587102-1005	TUBE ASSEMBLY, METAL - TURB	1	G	XBOZZ
	NAS674V4	. BOLT (AP)	2		PAOZZ
	4M36-02069	. WASHER, FLAT (AP)	2		PAOZZ
172	5007006C	. PUMP TURBINE DRIVEN (NO. 2 FUEL	1	G	PAODD
	5007006B	. SEE ABOVE (USE UNTIL EXHAUSTED)	1	G*	PAODD
	NAS674V15	. BOLT (AP)	6		PAOZZ
	AN960JD416L	. WASHER (AP)	6		PAOZZ
173	2800099-104	. EJECTOR, JET ENGINE FUEL BOOST PUMP (NO. 2 FUEL TANK ENGINE FUEL BOOST JET EJECTOR) (92003) (MCDONNELL SPEC 74-580112-209) (5BAP599)	1	F	PAOZZ
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD416	. WASHER (AP)	2		PAOZZ
174	74A585002-2005	. FEED ASSEMBLY, FUEL (NO. 2 FUEL	1		PAOZZ
	NAS1802-06-7	. SCREW (USE WITH INDEX 174)	2		PAOZZ
	AN960JD6L	. WASHER (USE WITH INDEX 174)	2		PAOZZ
	NAS1291C06M	. NUT (USE WITH INDEX 174)	2		PAOZZ
175	AN73SD40	. CLAMP	1	G	PAOZZ
	NAS673V3	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
176	MS25083-7BC6	. LEAD, ELECTRICAL	1	G	PAOZZ
177	74A586750-2011	. CUSHION (76301)	2	G	PAOZZ
178	NAS674V5	. BOLT	1	G	PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 178)	1		PAOZZ
179	74A586750-2009 ¶	. WASHER (SERRATED) (76301)	1	G	PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 33)

			UNITS USE			
INDEX NO.	PART NUMBER	DESCRIPTION	PER	ON	SM&R CODE	
NO.	NUMBER	1 2 3 4 5 6 7	ASSY	CODE	CODE	
180	74A586750-2007 ¶	. STRAP, RETAINING (76301)	1	G	PAOZZ	
	74A586750-2003	. SEE ABOVE	1	G*	PAOZZ	
	NAS673V4	BOLT (AP)	2		PAOZZ	
	AN960JD10L	. WASHER (AP)	2		PAOZZ	
181	74A586750-2005	. STRAP, RETAINING (76301)	1	J	PAOZZ	
	MS21060L3	. NUT, PLATE (USE WITH INDEX 181)	2		PAOZZ	
	MS20426AD3 #	. RIVET (AP)	2		-	
182	MS29513-329	. PACKING	1		PAOZZ	
183	MS29513-015	. PACKING	2		PAOZZ	
184	74A586296-2005	. SPACER, PUMP - SINGLE POINT SCAVENGE, TANK NO. 2 (76301) (SUPERSEDES 74A586296-2001)	1		XBOZZ	
185	MS29513-330	PACKING	1	F	PAOZZ	
186	W702-32D	. NUT ASSEMBLY, TUBE COUPLING (79326) (MCDONNELL SPEC ST7M191-32D) (INCLUDES NUT AND 2 WASHERS)	1	F*	PAOZZ	
	12H72-32A	. SEE ABOVE (24984)	1	F*	PAOZZ	
187	74A585734-2001	. RETAINER, FUEL CELL FITTING	2		PAOZZ	
	74A585734-1001	. SEE ABOVE	2	*	PAOZZ	
188	MS29513-327	. PACKING	2		PAOZZ	
189	74A585733-2001	. RETAINER, FUEL CELL FITTING	3		PAOZZ	
	74A585733-1001	SEE ABOVE	3	*	PAOZZ	
190	MS29513-333	PACKING	4		PAOZZ	
191	74A585735-2001	. RETAINER, FUEL CELL FITTING	3		PAOZZ	
	74A585735-1001	SEE ABOVE	3	*	PAOZZ	
192	MS29513-325	PACKING	3		PAOZZ	
193	NAS673V2	BOLT	2		PAOZZ	
	AN960JD10	. WASHER (USE WITH INDEX 193)	2		PAOZZ	
194	74A585730-2001	RETAINER ASSEMBLY - FUEL CELL FITTING, BHD, 2.50 DIA (76301)	3		PAOZZ	
	74A585730-1001	. SEE ABOVE	3	*	PAOZZ	
195	MS29513-337	. PACKING	6		PAOZZ	
196	74A586246-2001	. AFT BEAM ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO	
	AN960JD416	. WASHER (AP) (TO BULKHEAD STUD)	4		PAOZZ	
	NAS1291C4M	. NUT (AP) (TO BULKHEAD STUD)	4		PAOZZ	
197	74A586387-1065	BRACKET ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO	
	NAS673V10	. BOLT (AP)	2		PAOZZ	
	AN960JD10L	. WASHER (AP)	2		PAOZZ	
198	74A585731-2001	RETAINER, FUEL CELL FITTING	2		PAOZZ	
	74A585731-1001	. SEE ABOVE	2	*	PAOZZ	
199	MS29513-339	. PACKING	2		PAOZZ	
200	74A585739-2001	RETAINER, FUEL CELL FITTING	1	at.	PAOZZ	
	74A585739-1001	SEE ABOVE	1	*	PAOZZ	

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 34)

		LINUTO				
INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
201	MS29513-329		PACKING	1		PAOZZ
202	74A585737-2001		RETAINER, FUEL CELL FITTING	1	F	PAOZZ
	74A585737-1001		SEE ABOVE	1	F*	PAOZZ
	74A587116-2001		RETAINER, FUEL CELL FITTING	1	G	PAOZZ
	74A587116-1003		SEE ABOVE	1	G^*	PAOZZ
203	MS29513-335		PACKING	1		PAOZZ
204	74A582082-1003	•	ADAPTER - TANK DRAIN AND VENT	1		PAOZZ
205	MS29513-213		PACKING	1		PAOZZ
206	A11144-7-3		NUT, CLIP (72962) (MCDONNELL	2	*	PAOZZ
	130091		NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M)	2	*	PAOZZ
207	74A586244-2101		ANGLE (76301) (SUPERSEDES	1		XBOZZ
208	74A587117-1001		SUPPORT, FUEL FILTER - TURBO	1	G	XBOOO
	NAS674V2		BOLT (AP)	2		PAOZZ
	AN960JD416L		WASHER (AP)	2		PAOZZ
	MS21060L3		NUT, PLATE (USE WITH INDEX 208)	2		PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
209	M25988/1-312		PACKING	11	_	PAOZZ
210	NAS674V1		BOLT	1	G	PAOZZ
211	AN960JD416L		WASHER (USE WITH INDEX 210)	1		PAOZZ
211	74A586244-2007		WASHER (RETAINER) (76301)	7	F	PAOZZ
212	74A586244-2007		WASHER (RETAINER) (76301)	1	G	PAOZZ
212	74A587100-1001	•	BRACKET ASSEMBLY - LH, TURBO BOOST PUMP, FUEL TANK NO. 2 (76301) (REPLACES 74A587100-1001) (FOR REPAIR SEE WP 133 03)	1	С	XBOOO
	74A587100-1007	•	BRACKET ASSEMBLY - LH, TURBO BOOST PUMP, FUEL TANK NO. 2 (76301) (USE UNTIL EXHAUSTED) (FOR REPAIR SEE WP 133 03)	1	Н	XBOOO
	NAS674V3		BOLT (AP)	2		PAOZZ
	AN960JD416L		WASHER (AP)	2		PAOZZ
213	74A587101-1001		BRACKET ASSEMBLY - RH, TURBO BOOST PUMP, FUEL TANK NO. 2 (76301) (FOR REPAIR SEE WP 133 03)	1		XBOOO
	NAS674V3		BOLT (AP)	2		PAOZZ
	AN960JD416L		WASHER (AP)	2		PAOZZ
214	74A586666-1003		SUPPORT, FUEL PUMP - MAIN EJECTOR, TANK NO. 2 (76301)	1	F	XBOGG
	NAS674V2		BOLT (AP)	3		PAOZZ
	AN960JD416L		WASHER (AP)	3		PAOZZ
215	74A586662-2003		SUPPORT, FUEL PUMP - MAIN EJECTOR, TANK NO. 3 (76301)	1	F	XB0ZZ
	NAS674V2		BOLT (AP)	2		PAOZZ
	AN960JD416L		WASHER (AP)	2		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 35)

INDEX NO.	PART NUMBER	DESCRIPTION		USE ON CODE	SM&R CODE
216	74A586668-1001	. SUPPORT - MOTIVE FLOW LINE, FUEL TANK NO. 2 (76301)	1	F	XBOOO
	NAS674V2	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
217	LS580174-101	. LOCKNUT, TUBE FITTING - SPCL BHD CONN 2.5 DIA TUBE (03038) (MCDONNELL SPEC 74B580176-101)	3		PAOBZ
218	7M637BD-4D	. NIPPLE (76301)	7		PAOZZ
219	MS29512-04	. PACKING	7		PAOZZ
220	MS29512-06	. PACKING	3		PAOZZ
221	74A586558-2003	. RETAINER - FUEL TRANS, TK 2 TO CTR PYLON (76301) (SUPERSEDES 74A586558-2001)	1		PAOZZ
222	7M637DA-6D	. REDUCER (76301)	1		PAOZZ
223	74A586244-1027	. BRACKET ASSY (76301)	1	U	XBOGG
	74A586244-1015	. SEE ABOVE	1	K	XBOGG
	NAS673V3	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	MS21060L3 #	. NUT, PLATE (USE WITH INDEX 223)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
224	74A586244-1017	. SUPPORT (76301)	1		XBOGG
	NAS654V1	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
225	74A586244-1021	. SUPPORT (76301)	1		XBOGG
	NAS674V2	. BOLT (AP)	3		PAOZZ
	AN960JD416L	. WASHER (AP)	3		PAOZZ
226	74A585736-2001	RETAINER, FUEL CELL FITTING	1		PAOZZ
	74A585736-1001	. SEE ABOVE	1	*	PAOZZ
227	M25988/1-315	. PACKING	1		PAOZZ
228	NAS655V9	. BOLT	2		PAOZZ
	AN960JD516	. WASHER (USE WITH INDEX 228)	2		PAOZZ
229	NAS674V1	. BOLT	3		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 229)	3		PAOZZ
230	NAS674V2	. BOLT	1		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 230)	1		PAOZZ
231	NAS674V4	. BOLT	2		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 231)	2		PAOZZ
232	MS29513-385	. PACKING	1		PAOZZ
	74K580002-1005 ++	PACKING ASSORTMENT,	1		PAOZZ
	74K580002-1003	. PACKING ASSORTMENT (SEE ABOVE) USE UNTIL EXHAUSTED	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 36)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	MS29513-3B5	PACKING	1		XAOZZ
	MS29513-339	PACKING	2		XAOZZ
	MS29513-337	PACKING	6		XAOZZ
	MS29513-335	PACKING	1		XAOZZ
	MS29513-334	. PACKING	2		XAOZZ
	MS29513-333	. PACKING	6		XAOZZ
	MS29513-330	. PACKING	1		XAOZZ
	MS29513-329	. PACKING	2		XAOZZ
	MS29513-327	. PACKING	2		XAOZZ
	MS29513-325	. PACKING	3		XAOZZ
	MS29513-230	. PACKING	11		XAOZZ
	MS29513-226	. PACKING	17		XAOZZ
	MS29513-222	. PACKING	15		XAOZZ
	MS29513-218	. PACKING	5		XAOZZ
	MS29513-214	. PACKING	10		XAOZZ
	MS29513-213	. PACKING	1		XAOZZ
	MS29513-126	. PACKING	1		XAOZZ
	MS29513-117	. PACKING	1		XAOZZ
	MS29513-024	. PACKING	1		XAOZZ
	MS29513-015	. PACKING	6		XAOZZ
	MS29512-08	. PACKING	1		XAOZZ
	MS29512-06	. PACKING	4		XAOZZ
	MS29512-04	. PACKING	8		XAOZZ
	M25988/1-022	. PACKING	1		XAOZZ
	M25988/1-315	. PACKING	1		XAOZZ
	M25988/1-312	. PACKING	15		XAOZZ

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 37)

[#] LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

^{+ 41400-109} VALVE MAY RUB ON BOTTOM OF TANK BLADDER. IF THIS CONDITION EXISTS, A 74B580071-1003 OR 41400-111 VALVE MUST BE INSTALLED.

[¢] AMFUEL OR UNIROYAL INDIVIDUAL BACKING BOARDS MUST BE REPLACED BY SAME MANUFACTURERS PART, COMPLETE SETS OF AMFUEL OR UNIROYAL BACKING BOARDS MAY BE USED WITH EITHER AMFUEL OR UNIROYAL TANKS

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INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE	
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⁺⁺ USER MAY COMPLETE TANK
INSTALLATION AND HAVE PACKINGS
REMAINING BECAUSE KIT CONTAINS
ENOUGH PACKINGS TO COVER ALL
EFFECTIVITIES.

@ PREPARE MATING SURFACES OF BAFFLE AND NIPPLES FOR ELECTRICAL BOND PRIOR TO INSTALLATION. (A1-F18AC-LMM-000)

CODE	USABLE ON	MODEL
A	161716 & UP	F/A-18A
В	161719 & UP	F/A-18B
C	161924 THRU 162444	F/A-18A/B
D	161716 THRU 161741	F/A-18A/B
E	161742 & UP	F/A-18A/B
F	161716 THRU 161761	F/A-18A/B
G	161924 & UP	F/A-18A/B
Н	162445 & UP	F/A-18A/B
J	161983 & UP: ALSO 161716 THRU 161982 AFTER F/A-18 IAFC 017 PART 1 AND PART 2	F/A-18A/B
K	161716 THRU 161982 BEFORE F/A-18 IAFC 017 PART 1 AND PART 2	F/A-18A/B
L	163146 & UP	F/A-18A/B
M	161924 THRU 163145	F/A-18A/B
N	161716 THRU 163145	F/A-18A/B

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 38)

 $[\]P$ USE THESE PARTS TOGETHER.

1 May 2001 Page 1/(2 blank)

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REPAIR - NO. 2 FUEL TANK INVERTED FLIGHT BAFFLE ASSEMBLY (5CAP516)

FUEL STORAGE SYSTEM

Title	WP Number
Repair - No. 2 Fuel Tank Inverted Flight Baffle Assembly - 161353 THRU 161715	
BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53	020 04
Repair - No. 2 Fuel Tank Inverted Flight Baffle Assembly - 161716 AND UP; ALSO	
161353 THRU 161715 AFTER F/A-18 AFC 18 AND F/A-18 AFC 53	020 05

Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REPAIR - NO. 2 FUEL TANK INVERTED FLIGHT BAFFLE ASSEMBLY (5CAP516)

FUEL STORAGE SYSTEM

EFFECTIVITY: 161353 THRU 161715 BEFORE F/A-18 AFC 18 AND F/A-18 AFC 53

Reference Material

Structural Hardware		NAVAIR 01-1A-8
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Record of Applicable Technical Directives

None

Support Equipment Required

Part Number or Type Designation

Nomenclature

External Air Source (20 to 40 psi)

Materials Required

Specification or Part Number	Nomenclature
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
TT-I-735 (CAGE 81348)	Isopropyl Alcohol
MIL-S-8802, TY2CLA-1/2 (CAGE 81349)	Sealing Compound

1. GENERAL.

- a. For rivet and platenut removal and installation, refer to NAVAIR 01-1A-8.
- b. Maximum gap of assembled parts should not exceed 0.010 inch. If maximum gap is exceeded, bond shims, as required, to reduce gap per substeps below:









4

Isopropyl Alcohol, TT-I-735

(1) Clean area to be bonded with cheesecloth moistened with isopropyl alcohol. Wipe area dry using clean, dry cheesecloth before alcohol evaporates.







8

Sealing Compound, MIL-S-8802, Class A 1/2

- (2) Apply sealing compound to surface to be bonded with brush.
 - (3) Position shim.
- (4) Check for maximum gap. Install additional shims as required to reduce gap to allowable limits.

2. INSPECTION.

- a. Inspect and replace retainers (figure 1) which are:
 - (1) bent
 - (2) damaged
- b. Inspect and replace panels or webs (figures 2, 3 and 4) which are:
 - (1) cracked
 - (2) bent
 - (3) damaged
- c. Inspect and replace supports (paragraph 6) which are:
 - (1) cracked
 - (2) bent
 - (3) damaged
- d. Inspect and replace beams (paragraph 7) which are:
 - (1) cracked
 - (2) bent
 - (3) damaged
- e. Inspect and replace brackets (paragraph 8) which are:

- (1) cracked
- (2) bent
- (3) damaged
- f. Inspect and replace platenuts which are:
 - (1) stripped
 - (2) cross threaded
- g. Inspect and replace rivets which are:
 - (1) loose
 - (2) missing
- h. Inspect and replace/repair screen assemblies (paragraphs 5 or 10) which are:
 - (1) torn
 - (2) dented
 - (3) damaged
- i. Inspect and replace check valves (paragraph 4) which are:
 - (1) damaged
 - (2) improperly seated
 - (3) binding
- j. Inspect and replace center panel hinges, if applicable (paragraph 9) which are:
 - (1) bent
 - (2) damaged
 - k. Inspect entire baffle assembly for:
 - (1) burrs
 - (2) sharp edges that could damage tank
 - (3) cleanliness
 - (4) corrosion

3. DISASSEMBLY.

a. Disassemble parts only enough to replace defective parts. Identify and tag all components to aid in reassembly.

4. CHECK VALVE.

- a. Remove applicable check valve per substeps below:
- (1) Remove check valve (46, figure 2, detail J), screws (47) and washers.
- (2) Remove check valve (54, figure 4, detail K), screws (54) and washers.

5. SCREEN ASSEMBLY.

- a. Remove screen assembly (15, figure 2, detail J) per substeps below:
- (1) Remove screws (47) and washers and check valve (46).
- (2) Remove screws (48) and washers, seal plate (45) and screen assembly (15).
- b. Remove screen assembly (18, figure 4, detail K) per substeps below:
- (1) Remove screws (55) and washers and check valve (53).
- (2) Remove screws (56) and washers, seal plate (53) and screen assembly (18).

6. SUPPORT ASSEMBLY.

a. Disassemble supports as required to repair or replace defective part (figures 2, 3 and 4).

7. BEAM ASSEMBLY.

a. Disassemble beam as required to repair or replace defective part (figures 2, 3 and 4).

8. BRACKET ASSEMBLY.

a. Disassemble bracket as required to repair or replace defective part (figures 2, 3 and 4).

9. HINGE (24 OR 25, FIGURE 3).

- a. Remove hinge pin (29, detail D or E).
- b. If removing hinge (27), remove rivets (NAVAIR 01-1A-8) and hinge (27) from web (6 or 19).
- c. If removing hinge (28), remove rivets (NAVAIR 01-1A-8), hinge (28) and web or angle (30) from web (5 or 7).

10. **REPAIR**.

11. SCREEN REMOVAL.

- a. Repair screen assembly (15, figure 2, detail J) per substeps below:
 - (1) Remove screen assembly per paragraph 5.
- (2) Remove rivets (44) per NAVAIR 01-1A-8 from retaining plates (42), screen mesh (43) and platenuts (41).
- b. Repair screen assembly (18, figure 4, detail K) per substeps below:
 - (1) Remove screen assembly per paragraph 5.
- (2) Remove rivets (52) per NAVAIR 01-1A-8 from retaining plates (50), screen mesh (51) and platenuts (49).

12. SCREEN INSTALLATION.

- a. Repair screen assembly (15, figure 2, detail J) per substeps below:
- (1) Position screen mesh (43), retaining plates (42) and platenuts (41), then install rivets (44) per NAVAIR 01-1A-8.
 - (2) Install screen assembly per paragraph 15.
- b. Repair screen assembly (18, figure 4, detail K) per substeps below:
- (1) Position screen mesh (51), retaining plates (50) and platenuts (49), then install rivets (52) per NAVAIR 01-1A-8.
 - (2) Install screen assembly per paragraph 15.

13. CLEANING.









Isopropyl Alcohol, TT-I-735

4



Failure to do the steps below may result in damage to fuel tank.

- a. Clean all parts with clean, dry cloth or cheesecloth moistened with isopropyl alcohol until free of:
 - (1) grease
 - (2) dirt

WARNING

To prevent injury to personnel, do not direct compressed air against skin.

b. Blow loose foreign particles from parts using dry, filtered, low pressure (20 to 40 psi) air.

14. ASSEMBLY.

a. Assemble components removed during disassembly.

15. SCREEN ASSEMBLY.

- a. Install screen assembly (15, figure 2, detail J) per substeps below:
- (1) Install screen assembly (15), seal plate (45), screws (48) and washers.
- (2) Install check valve (46), screws (47) and washers.
- b. Install screen assembly (18, figure 4, detail K) per substeps below:
- (1) Install screen assembly (18) seal plate (53), screws (56) and washers.
- (2) Install check valve (54), screws (55) and washers.

16. CHECK VALVE INSTALLATION.

- a. Install applicable check valve per substeps below:
- (1) Install check valve (46, figure 2, detail J), screws (47) and washers.
- (2) Install check valve (54, figure 4, detail K), screws (55) and washers.

17. SUPPORT ASSEMBLY.

a. Assemble repaired/replaced parts of support assembly (figures 2, 3 and 4).

18. **BEAM ASSEMBLY**.

a. Assemble repaired/replaced parts of beam assembly (figures 2, 3 and 4).

19. BRACKET ASSEMBLY.

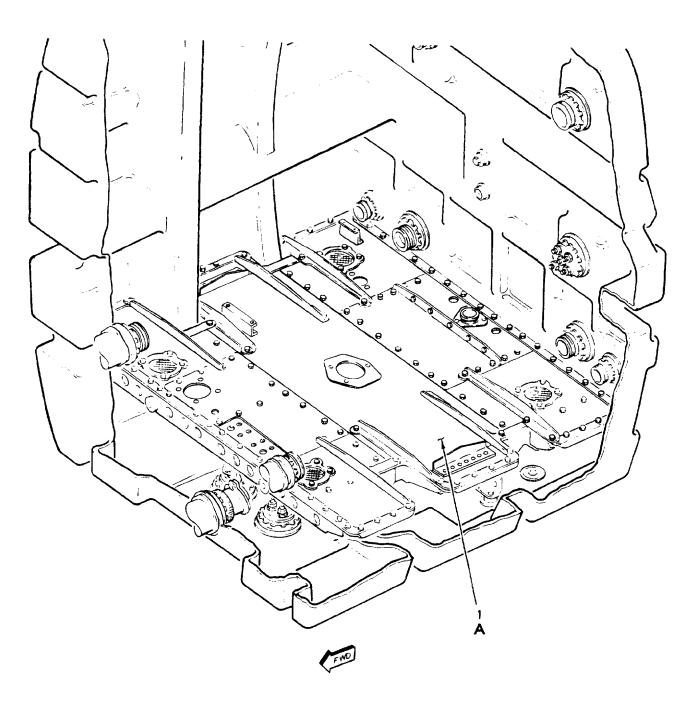
a. Assemble repaired/replaced parts of bracket assembly (figures 2, 3 and 4).

20. HINGE INSTALLATION (27 OR 28, FIGURE 3).

- a. If installing hinge (27, detail D or E), do substeps below:
- (1) Place hinge (27) with center of hinge pin hole 0050 inch from outboard edge of web (6 or 19).
- (2) Place forward and aft edges of hinge (27) equal distance from forward and aft edges of web (6 or 19).
- b. If installing hinge (28, detail D or E), do substeps below:
- (1) Place hinge (28) with center of hinge pin hole 0.050 inch from outboard edge of web (5 or 7).
- (2) Place forward and aft edges of hinge (28) equal distance from forward and aft edges of web (5 or 7).
- (3) Place web or angle (30) on top of web (5 or 7) at inboard edge and equal distance from forward and aft edges of web (5 or 7).
- c. Drill holes and install rivets per NAVAIR 01-1A-8.
- d. Mate hinges (28 and 27) and install hinge pin (29).

21. ILLUSTRATED PARTS BREAKDOWN.

22. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.



LEGEND



18AC-460-30-(43-1)

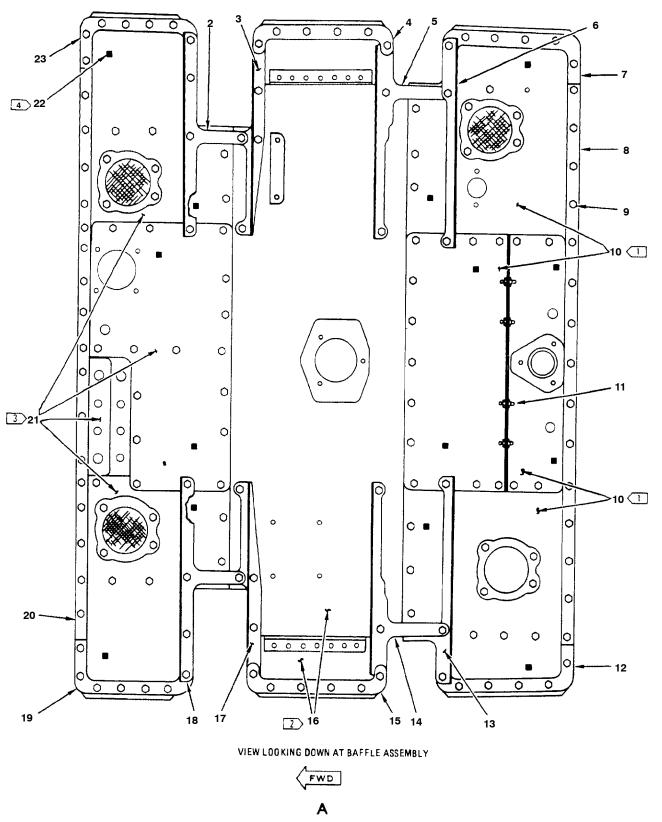


Figure 1. Inverted Flight Baffle (5CAP516) (Sheet 2)

18AC-460-30-(43-2)

	1			<u> </u>		,
INDEX NO.	PART NUMBER	1 2 3	DESCRIPTION 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		INVEDTE	D FLIGHT BAFFLE (5CAP516)			
1	74A586204-1015	. BAFFI IN (76	JE ASSY - TANK NO. 2	1		A000G
	74A586204-2087	. SHIM	(76301) (0.094 THICK) (USE WITH	AR		XBOZZ
	74A586204-1009	. BAFFI FLI (SE	LE ASSY - TANK NO. 2 INVERTED	1	*	A000G
	74A586204-2087	. SHIM	(76301) (0.094 THICK) (USE WITHDEX 1)	AR		MGOZZ
2	74A586204-2240	. RETAI	NER, BAFFLE ASSY (76301)	1		MGOZZ
3	74A586204-2242		NER, BAFFLE ASSY (76301)	1		XBOZZ
4	74A586204-2250		NER, BAFFLE ASSY (76301)	1		MGOZZ
5	74A586204-2417	. RETAI	NER, BAFFLE ASSY (76301)	1		XBOZZ
6	74A586204-2352	. STIFFI	ENER, BAFFLE ASSY (76301)	1		MGOZZ
7	74A586204-2252	. RETAI	NER, BAFFLE ASSY (76301)	1		MGOZZ
8	74A586204-2427	. RETAI	NER (76301)	1		XBOZZ
9	NAS673V5	. BOLT		AR		PAOZZ
	AN960JD10L	. WASH	ER (USE WITH INDEX 9)	AR		PAOZZ
10	74A586204-2395		L ASSY, BAFFLE, AFT (AFT NEL ASSEMBLY) (76301)	1		XBOOO
11	NAS674V3	. BOLT		4		PAOZZ
	AN960JD10L	. WASH	ER (USE WITH INDEX 10A)	4		PAOZZ
12	74A586204-2251	. RETAI	NER, BAFFLE ASSY (76301)	1		MGOZZ
13	74A586204-2235	. RETAI	NER, BAFFLE ASSY (76301)	1		MGOZZ
14	74A586204-2237	. RETAI	NER, BAFFLE ASSY (76301)	1		MGOZZ
15	74A586204-2249	. RETAI	NER, BAFFLE ASSY (76301)	1		MGOZZ
16	74A586204-2461	(CI	L ASSY, BAFFLE, CENTER	1	A	A0000
	74A586204-2445	(CI	L ASSY, BAFFLE, CENTER	1	В	A0000
	74A586204-2397		ASSY, BAFFLE, CENTERENTER PANEL ASSEMBLY) (76301)	1	C	XBOOO
17	74A586204-2241	. RETAI	NER, BAFFLE ASSY (76301)	1		XBOZZ
18	74A586204-2239	. RETAI	NER, BAFFLE ASSY (76301)	1		MGOZZ
19	74A586204-2247		NER, BAFFLE ASSY (76301)	1		MGOZZ
20	74A586204-2271	. RETAI	NER, BAFFLE ASSY (76301)	1		MGOZZ
21	74A586204-2419	PA	ASSY, BAFFLE, FWD (FORWARD NEL ASSEMBLY) (76301)	1		XBOOO
	74A586204-2225		(76301) (0.375 THICK) (USE WITH DEX 21)	AR		MGOZZ
22	MS20426AD5#	. RIVET	,´	AR		-
23	74A586204-2248	. RETAI	NER, BAFFLE ASSY (76301)	1		MGOZZ

[#] LENGTH/SIZE TO BE DETERMINED ON INSTALLATION.

Figure 1. Inverted Flight Baffle (5CAP516) (Sheet 3)

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

Page 9

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE	
--------------	----------------	---------------------------	----------------------	-------------------	--------------	--

CODE USABLE ON MODEL

A PN 74A586204-1015 (DOUBLE HINGE)

B PN 74A586204-1015 (SINGLE HINGE)

C PN 74A586204-1009 (NO HINGE)

Figure 1. Inverted Flight Baffle (5CAP516) (Sheet 4)

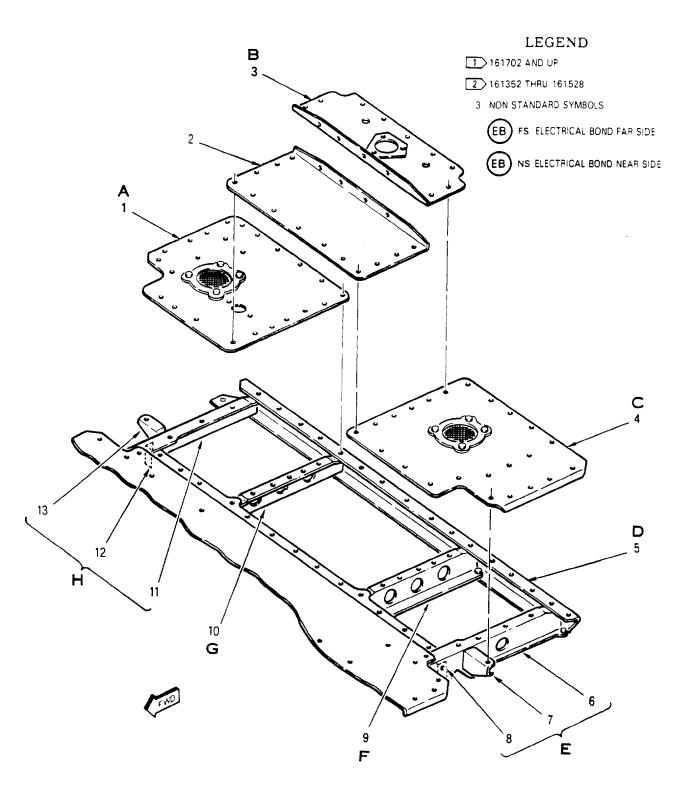


Figure 2. Aft Panel Assembly (Sheet 1)

18AC-460-30-(44-1)A

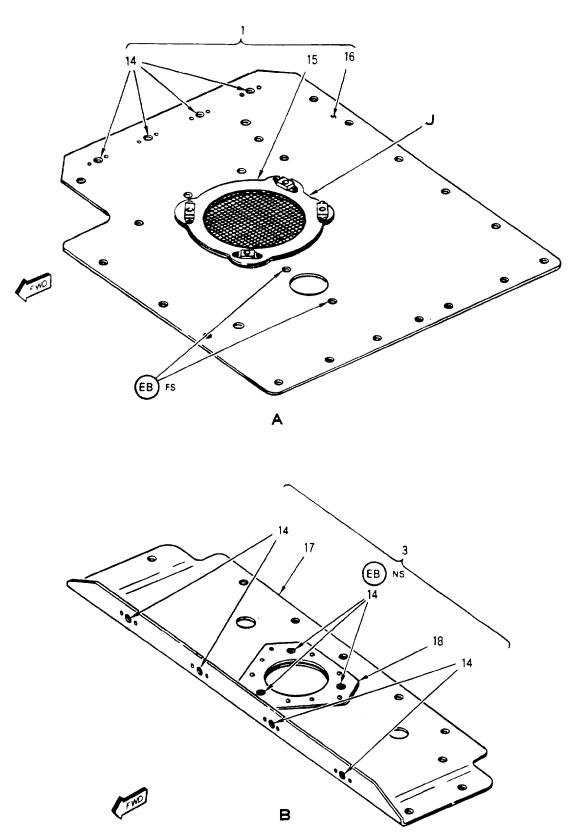


Figure 2. Aft Panel Assembly (Sheet 2)

18AC-460-30-(44-2)A

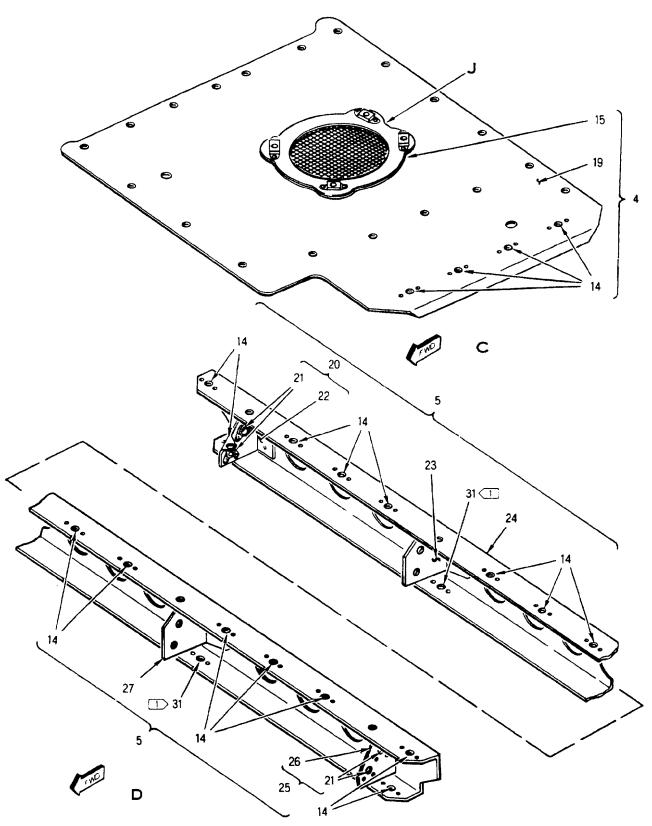


Figure 2. Aft Panel Assembly (Sheet 3)

18AC-460-30-(44-3)

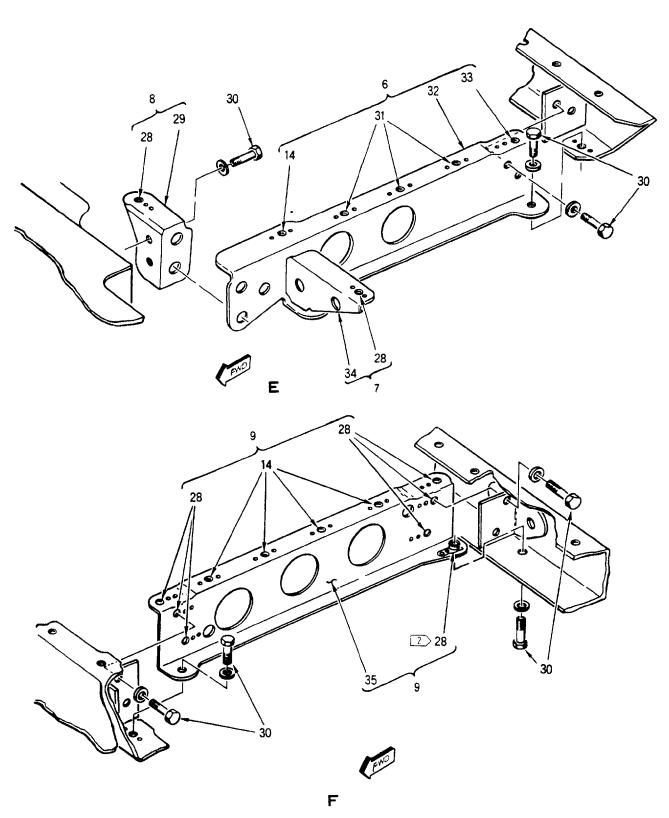


Figure 2. Aft Panel Assembly (Sheet 4)

18AC-460-30-(44-4)

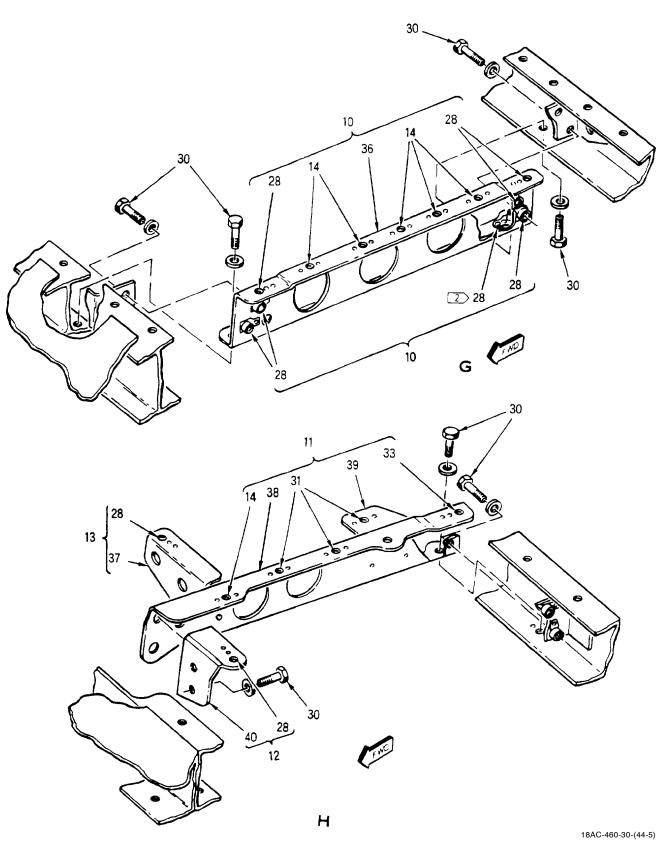


Figure 2. Aft Panel Assembly (Sheet 5)

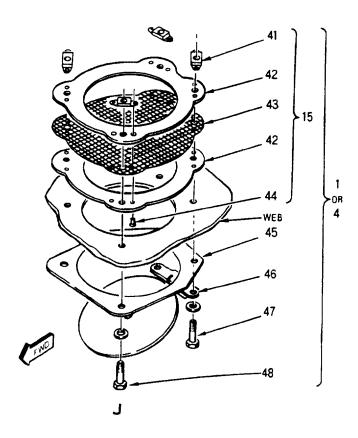


Figure 2. Aft Panel Assembly (Sheet 6)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	<u> </u>			7.551	JUDE	
		Al	FT PANEL ASSEMBLY			
1	74A586204-2365		WEB ASSY, AFT. RH (76301)	1		XBOOO
2	74A586204-2415		PLATE, STRUCTURAL (76301)	1		MGOZZ
3	74A586204-2411		WEB ASSY (76301)	1		XBOOO
4	74A586204-2431		WEB ASSY (76301)	1		XBOOO
5	74A586204-2475		BEAM ASSY, BAFFLE (76301)	1	A	AOOOO
	74A586204-2391		BEAM ASSY, BAFFLE (76301)	1	В	XBOOO
6	74A586204-2047		SUPPORT ASSY (76301)	1		XBOOO
7	74A586204-2323		BRACKET ASSY, BAFFLE (76301)	1		XBOOO
8	74A586208-1001		BRACKET, BAFFLE (76301)	1		XBOOO
9	74A586204-2477		SUPPORT ASSY, BAFFLE (76301)	1	Α	A0000
	74A586204-2337		SUPPORT ASSY, BAFFLE (76301)	1	В	XBOOO
10	74A586204-2478		SUPPORT ASSY (76301)	1	A	A0000
	74A586204-2338		SUPPORT ASSY (76301)	1	В	XBOOO
11	74A586204-2409		SUPPORT ASSY (76301)	1		XBOOO
12	74A586208-1002		BRACKET, BAFFLE (76301)	1		XBOOO
13	74A586204-2324		BRACKET ASSY, BAFFLE (76301)	1		XBOOO
	MS20470AD5 #		RIVET (AP)	3		-
14	F50339-3-2	•	NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
	F12090-2-3		NUT, SELF-LOCKING, PLATE (72962)	AR	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
15	74A586204-2185		SCREEN ASSY (76301)	1		XBOOO
16	74A586204-2367		WEB ASSY (76301)	1		MGOZZ
17	74A586204-2413		WEB (76301)	1		MGOZZ
18	74A586204-2383		PLATE, STRUCTURAL (76301)	1		MGOZZ
	MS20426AD5 #		RIVET (AP)	10		-
19	74A586204-2429		WEB (76301)	1		MGOZZ
20	74A586204-2202		BRACKET ASSY (76301)	1		XBOOO
	MS20470AD5 #		RIVET (AP)	2		-
21	F50403-3-4		NUT, SELF-LOCKING, PLATE (15653)	2	*	PAOZZ
	F12092-4-3		NUT, SELF.LOCKING, PLATE (72962)	2	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
22	74A586204-2016		BRACKET, ANGLE (76301)	1		MGOZZ
23	74A586204-2066		SUPPORT, STRUCTURAL (76301)	1		MGOZZ
	MS20426AD5 #		RIVET (AP)	2		-
24	74A586204-2393		BEAM, BAFFLE ASSY (76301)	1		XBOZZ
25	74A586204-2201		CLIP ASSY (76301)	1		XBOOO
	MS20470AD5 #		RIVET (AP)	2		-
26	74A586204-2015		BRACKET, ANGLE (76301)	1		XBOZZ
27	74A586204-2065		SUPPORT, STRUCTURAL (76301)	1		MGOZZ
	MS20426AD5 #		RIVET (AP)	2		-
28	F50340-3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M2)	1	*	PAOZZ
	F12089-2-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M2)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
29	74A586208-2001		BRACKET (76301)	1		XBOZZ
30	NAS673V5		BOLT	AR		PAOZZ
	AN960JD10L		WASHER (USE WITH INDEX 30)	AR		PAOZZ

Figure 2. Aft Panel Assembly (Sheet 7)

INDEX NO.	PART NUMBER	1	2	3	4	5	5	DESCRIPTION 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
31	F50339-3-4		N					LOCKING, PLATE (15653) INELL SPEC ST3M719C3M4)	AR	*	PAOZZ
	F12090-4-3		N					LOCKING, PLATE (72962)	AR	*	PAOZZ
	NAS1097AD3 #		RI	VΈ	ET (A	٩P)	·····	2		-
32	74A586204-2079		SU	JPI	POR	Г,	Ś	TRUCTURAL (76301)	1		XBOZZ
33	F50340-3-1	•		JT,	, SEI	LF.	-I	LOCKING, PLATE (15653) INELL SPEC ST3M720C3M1)	AR	*	PAOZZ
	F12089-1-3		N					LOCKING, PLATE (72962)INELL SPEC ST3M720C3M1)	AR	*	PAOZZ
	NAS1097AD3 #		RI	VΈ	ET (A	٩P)	·····	2		-
34	74A586204-2325		BI	RA	CKE	ΞT,	, I	BAFFLE ASSY (76301)	1		MGOZZ
35	74A586204-2349		SU	JPI	POR	Γ, Ι	В	AFFLE ASSY (76301)	1		XBOZZ
36	74A586204-2350		SU	JPI	POR	Γ, Ι	В	AFFLE ASSY (76301)	1		XBOZZ
37	74A586204-2326		BI	RΑ	CKE	ET.	. :	BAFFLE ASSY (76301)	1		XBOZZ
38	74A586204-2080		SU	JPI	POR	Г, S	S	TRUCTURAL (76301)	1		XBOZZ
39	74A586204-2127		BI	RΑ	CKE	ΞT,	, <i>F</i>	ANGLE (76301)	1		XBOZZ
	MS20426AD5 #		RI	VE	ET (A	AP))		2		-
40	74A586208-2002		ВІ	RΑ	CKE	ET	(76301)	1		XBOZZ
41	MS21060L06		N	JT,	, SEI	LF.	-I	LOCKING	4		PAOZZ
42	74A586204-2187		PΙ	A.	ΓE, I	RE	Т	AINING SCREEN (76301)	2		MGOZZ
43	74A586204-2189		SC	RI	EEN	M	1E	ESH (76301)	1		MGOZZ
44	NAS1097AD3 #		RI	VE	ET .				8		-
45	74A586286-2001		SE	ΕAI	L PL	Αī	ГΕ	E (76301)	1		XBOZZ
46	55-6003	•	VA					ECK (96736) (MCDONNELL	1		PAOZZ
47	NAS1802-06-9		SC	RI	ΕW				2		PAOZZ
	AN960JD6L		W	AS	HEF	R (1	U	SE WITH INDEX 47)	2		PAOZZ
48	NAS1802-06-9		SC	RI	ΞW				2		PAOZZ
	AN960JD6L	•	W	AS	HEF	R (1	U	SE WITH INDEX 48)	2		PAOZZ

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

[#] LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

CODE	USABLE ON	MODEL
A	161702 & UP	F/A-18A/B
В	161353 THRU 161528	F/A-18A/B

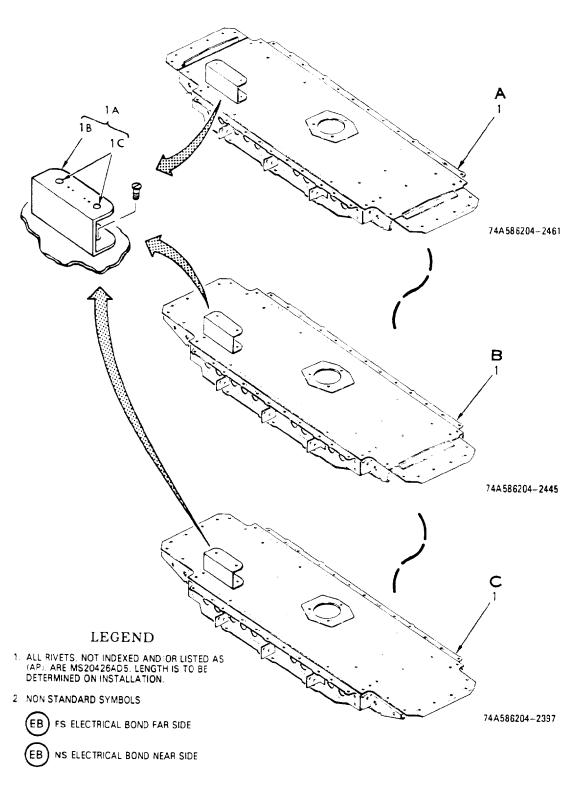


Figure 3. Center Panel Assembly (Sheet 1)

18AC-460-30-(45-1)C

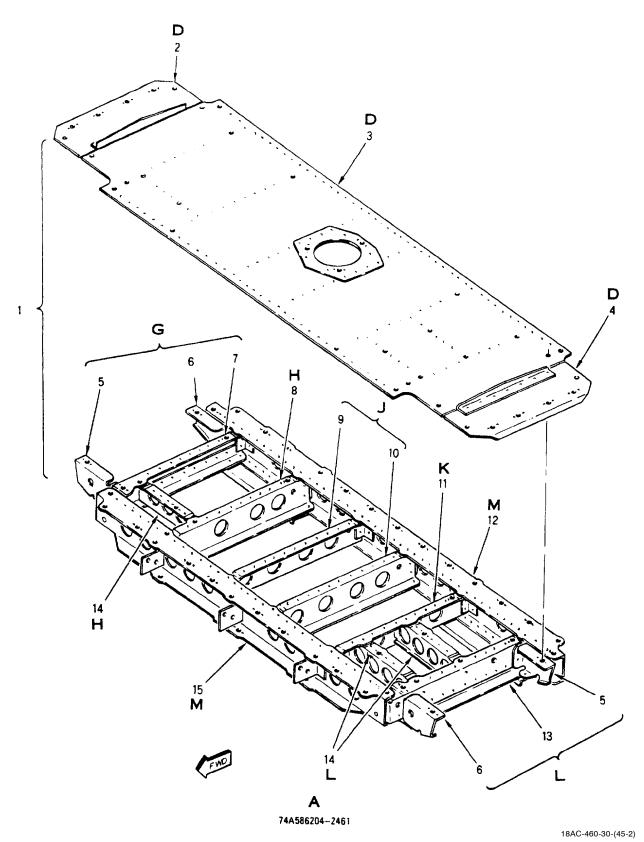


Figure 3. Center Panel Assembly (Sheet 2)

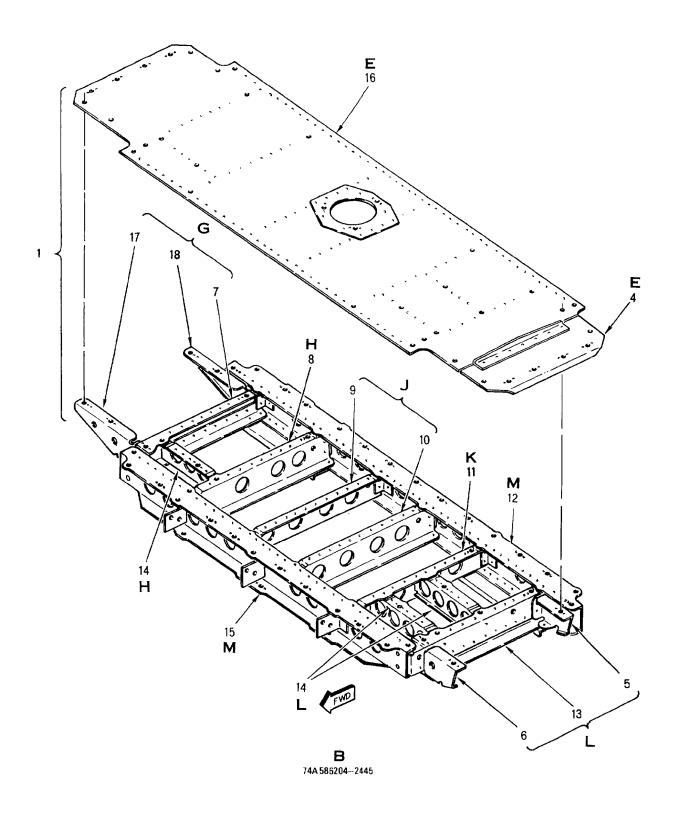


Figure 3. Center Panel Assembly (Sheet 3)

18AC-460-30-(45-3)

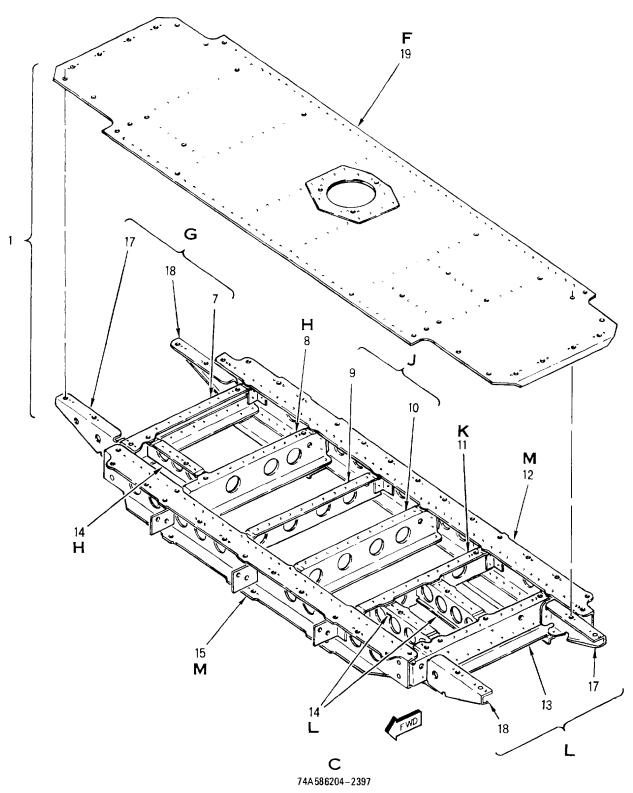


Figure 3. Center Panel Assembly (Sheet 4)

18AC-460-30-(45-4)

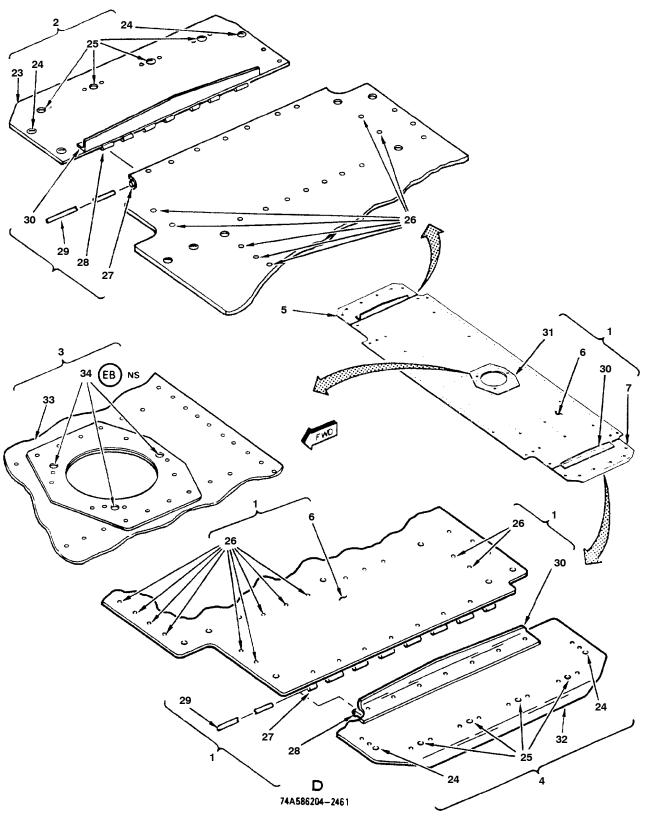


Figure 3. Center Panel Assembly (Sheet 5)

18AC-460-30-(45-5)C

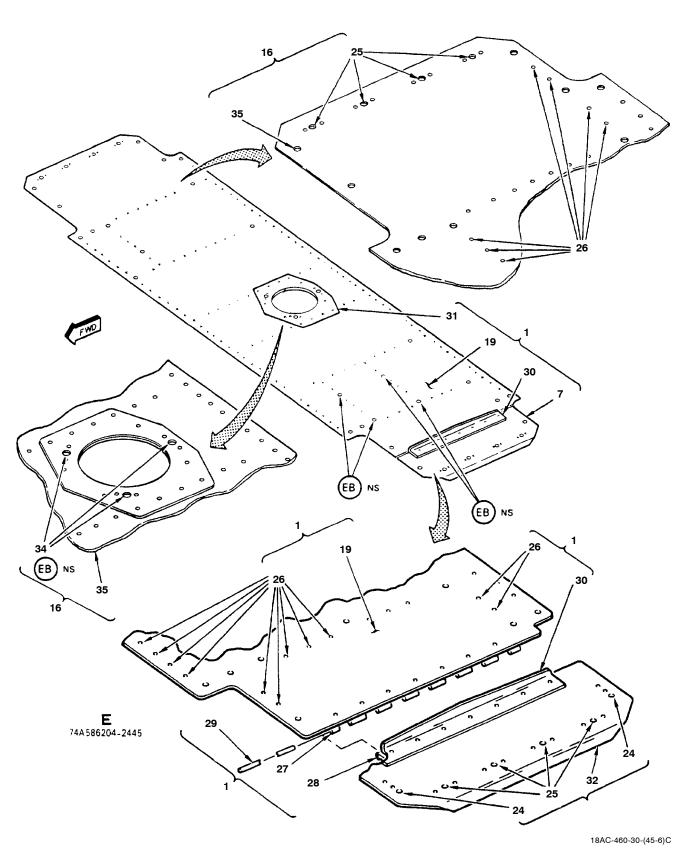


Figure 3. Center Panel Assembly (Sheet 6)

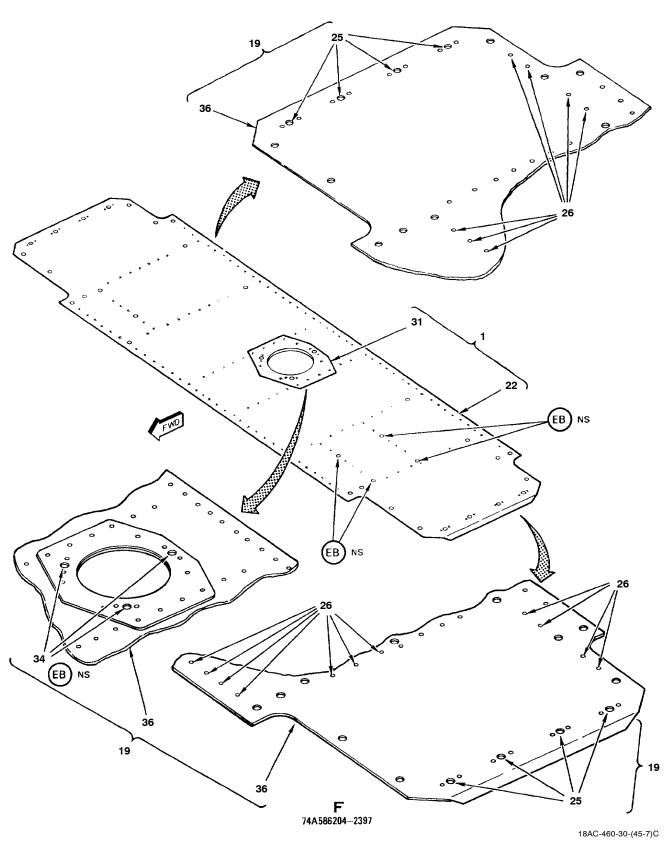


Figure 3. Center Panel Assembly (Sheet 7)

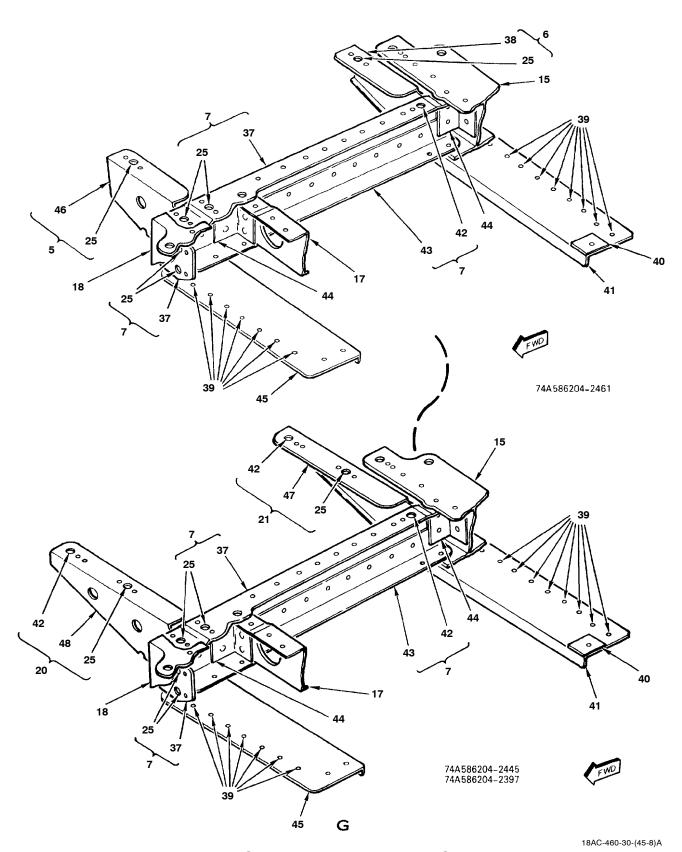
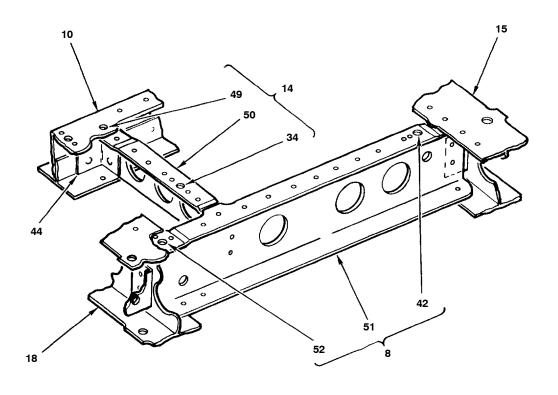


Figure 3. Center Panel Assembly (Sheet 8)





Н

Figure 3. Center Panel Assembly (Sheet 9)

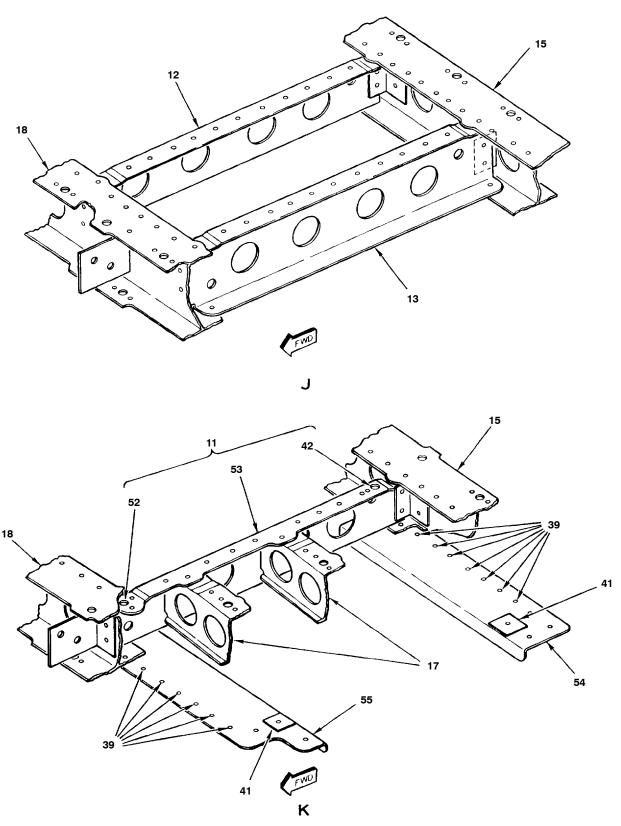


Figure 3. Center Panel Assembly (Sheet 10)

18AC-460-30-(45-10)

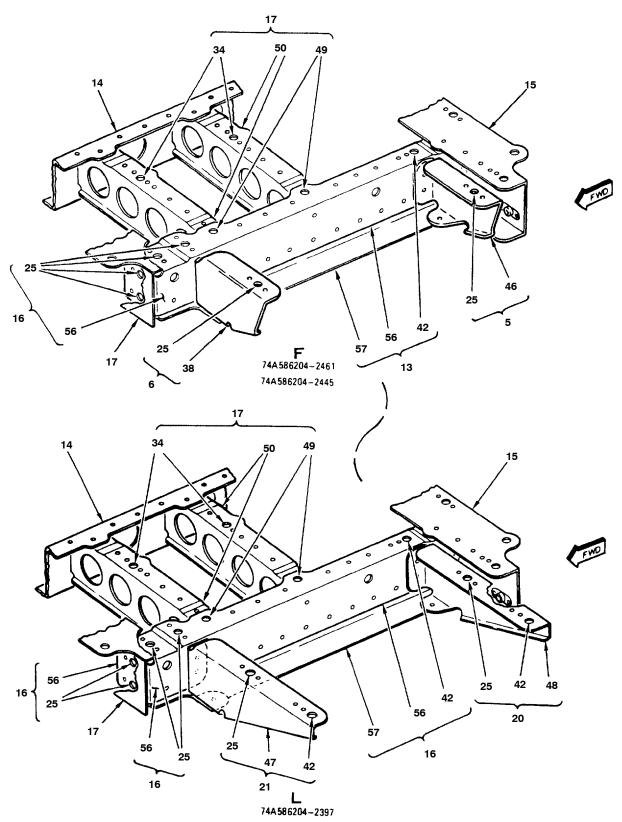


Figure 3. Center Panel Assembly (Sheet 11)

18AC-460-30-(45-11)

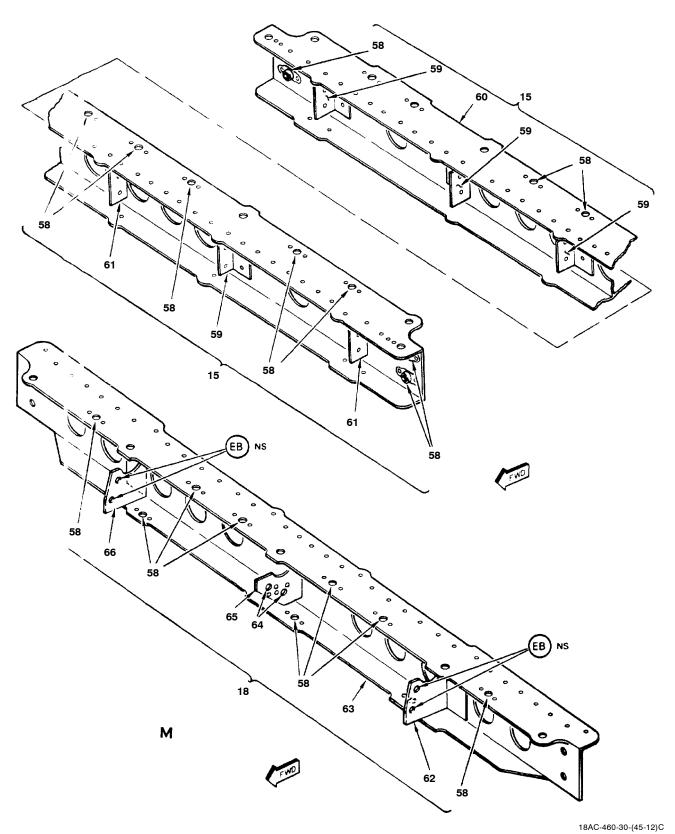


Figure 3. Center Panel Assembly (Sheet 12)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
				1		1
		CI	ENTER PANEL ASSEMBLY			
	MS20426AD5 #	•	RIVET (TO BE USED TO REPLACE ALL	AR		-
1	74A586204-2461		PANEL ASSY (DOUBLE HINGE PANEL)	1		A0000
	74A586204-2445		PANEL ASSY (SINGLE HINGE PANEL)(76301)	1	*	A0000
	74A586204-2361		PANEL ASSY (76301)	1	*	XBOOO
2	74A586204-2403		SUPPORT ASSY (76301)	1		XBOOO
	NAS673V5		BOLT	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
3	74A586204-2405		SUPPORT (76301)	1		MGOZZ
4	F50340-3-2		NUT, SELF-LOCKING, PLATE (15653)	2		PAOZZ
	F12089-2-3		SEE ABOVE (72962)	2		PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
5	74A586204-2456		WEB ASSY (76301)	1	D	XBOOO
6	74A586204-2463		WEB ASSY (76301)	1	A	XBOOO
7	74A586204-2455		WEB ASSY (76301)	1	D	XBOOO
8	74A586204-2448		SUPPORT ASSY (76301)	2	Α	XBOOO
	74A586204-2448		SUPPORT ASSY (76301)	1	В	XBOOO
9	74A586204-2447		SUPPORT ASSY (76301)	2	A	XBOOO
	74A586204-2447		SUPPORT ASSY (76301)	1	В	XBOOO
10	74A586204-2341		SUPPORT ASSY (76301)	1		XBOOO
11	74A586204-2345		SUPPORT ASSY (76301)	1		XBOOO
12	74A586204-2348		SUPPORT BAFFLE ASSY (76301)	1		XBOZZ
13	74A586204-2347		SUPPORT BAFFLE ASSY (76301)	1		XBOZZ
14	74A586204-2343		SUPPORT ASSY (76301)	1		XBOOO
15	74A586204-2373		BEAM ASSY (76301)	1		XBOOO
16	74A586204-2339		SUPPORT ASSY (76301)	1		XBOOO
17	74A586204-2027		BRACKET ASSY (76301)	3		XBOOO
18	74A586204-2369		BEAM ASSY (76301)	1		XBOOO
19	74A586204-2445		WEB ASSY (76301)	1	В	A0000
20	74A586204-2020		SUPPORT ASSY (76301)	1	В	XBOOO
	74A586204-2020		SUPPORT ASSY (76301)	2	C	XBOOO
21	74A586204-2019		SUPPORT ASSY (76301)	1	В	XBOOO
	74A586204-2019		SUPPORT ASSY (76301)	2	C	XBOOO
22	74A586204-2451		WEB ASSY (76301)	1	C	XBOOO
23	74A586204-2458		WEB (76301)	1	A	XBOZZ
24	F50340-3-2		NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
	F12089-2-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M2)	AR	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
25	F50339-3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2)	AR	*	PAOZZ
	F12090-2-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	AR		PAOZZ
	NAS1097AD3#		RIVET (AP)	2		-
26	NAS1097AD5#		RIVET	AR		-
27	MS20001PX4-0700		HINGE, HALF	2	A	MGOZZ
	MS20001PX4-0700		HINGE, HALF	1	В	MGOZZ
	MS20470AD5#		RIVET (AP)	7		-
28	MS20001PY4-0700		HINGE, HALF	2	A	MGOZZ

Figure 3. Center Panel Assembly (Sheet 13)

		1	UNITS	ПСЕ	
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	PER ASSY	USE ON CODE	SM&R CODE
	1				
	MS20001PY4-0700	. HINGE, HALF	1	В	MGOZZ
	MS20470AD5 #	. RIVET (AP)	7		-
29	MS20253P2-700	. PIN, HINGE	2	Α	PAOZZ
	MS20253P2-700	. PIN, HINGE	1	В	PAOZZ
30	74A586204-2457	. WEB (76301)	2	Α	XBOZZ
	74A586204-2459	. ANGLE (76301)	1	В	XBOZZ
31	74A586204-2385	. PLATE, STRUCTURAL (76301)	1		XBOZZ
	NAS1097AD5 #	. RIVET (AP)	12		-
32	74A586204-2457	. WEB (76301)	1	D	XBOZZ
33	74A586204-2465	. WEB (76301)	1	Α	XBOZZ
34	MS21060L3	. NUT, PLATE	3		PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
35	74A586204-2453	. WEB (76301)	1	В	XBOZZ
36	74A586204-2363	. PLATE, STRUCTURAL (76301)	1	C	XBOZZ
37	74A586204-2355	. SUPPORT, BAFFLE ASSY (76301)	1		XBOZZ
38	74A586204-2449	. BRACKET (76301)	2	Α	XBOZZ
	74A586204-2449	. BRACKET (76301)	1	В	XBOZZ
39	NAS1398C5A2	. RIVET	AR		PAOZZ
40	74A586204-2087	. SHIM (76301)	AR		XBOZZ
41	74A586204-2399	. PLATE, STRUCTURAL (76301)	1		XBOZZ
	NAS1398C5A3	. RIVET (AP)	6		PAOZZ
42	F50340-3-2	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M2)	AR	*	PAOZZ
	F12089-2-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M2)	AR	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
43	74A586204-2390	. STIFFENER (76301)	1		MGOZZ
44	74A586204-2437	. CLIP (76301)	3		XBOZZ
45	74A586204-2401	. PLATE, STRUCTURAL (76301)	1		XBOZZ
	NAS1398C5A3	. RIVET (AP)	4		PAOZZ
46	74A586204-2450	BRACKET (76301)	2	Α	XBOZZ
	74A586204-2450	. BRACKET (76301)	1	В	XBOZZ
47	74A586204-2103	. SUPPORT, STRUCTURAL (76301)	1	В	XBOZZ
	74A586204-2103	. SUPPORT, STRUCTURAL (76301)	2	C	XBOZZ
48	74A586204-2104	. SUPPORT, STRUCTURAL (76301)	1	В	XBOZZ
	74A586204-2104	. SUPPORT, STRUCTURAL (76301)	2	C	XBOZZ
49	MS21062L3	. NUT, PLATE	AR		PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
50	74A586204-2089	. PLATE, STRUCTURAL (76301)	3		XBOZZ
51	74A586204-2359	. SUPPORT, BAFFLE ASSY (76301)	1		XBOZZ
52	NS103597-02	. NUT, SELF-LOCKING, PLATE (80539) (MCDONNELL SPEC ST3M470C3M)	AR	*	PAOZZ
	F10965-1-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M470C3M)	AR	*	PAOZZ
	F29339-01-3	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M470C3M)	AR	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
53	74A586204-2357	. SUPPORT, BAFFLE ASSY (76301)	1		XBOZZ
54	74A586204-2400	PLATE, STRUCTURAL (76301)	1		XBOZZ
	NAS1398C5A3	. RIVET (AP)	6		PAOZZ
55	74A586204-2402	PLATE, STRUCTURAL (76301)	1		XBOZZ
	NAS1398C5A3	. RIVET (AP)	4		PAOZZ
56	74A586204-2353	. SUPPORT, BAFFLE ASSY (76301)	1		XBOZZ
57	74A586204-2389	. PLATE, STRUCTURAL (76301)	1		XBOZZ

Figure 3. Center Panel Assembly (Sheet 14)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
58	F50339-3-4		NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
	F12090-4-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	AR	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
59	74A586204-2009		BRACKET, ANGLE (76301)	3		XBOZZ
60	74A586204-2375		BEAM, BAFFLE ASSY (76301)	1		XBOZZ
61	74A586204-2017		BRACKET, ANGLE (76301)	3		XBOZZ
62	74A586204-2469		BRACKET, ANGLE (76301)	1		XBOZZ
63	74A586204-2371		BEAM, BAFFLE ASSY (76301)	1		XBOZZ
64	74A586204-2201		BRACKET, ASSY (76301)	1		XBOOO
65	74A586204-2070		BRACKET, ANGLE (76301)	1		XBOZZ
66	74A586204-2470		BRACKET, ANGLE (76301) (SUPERSEDES 74A586204-2070)	1		XBOZZ

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

[#] LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

CODE	USABLE ON	MODEL
A	PN 74A586204-2461	
В	PN 74A586204-2445	
C	PN 74A586204-2361	
D	PN 74A586204-2445 & 74A586204-2461	

Figure 3. Center Panel Assembly (Sheet 15)

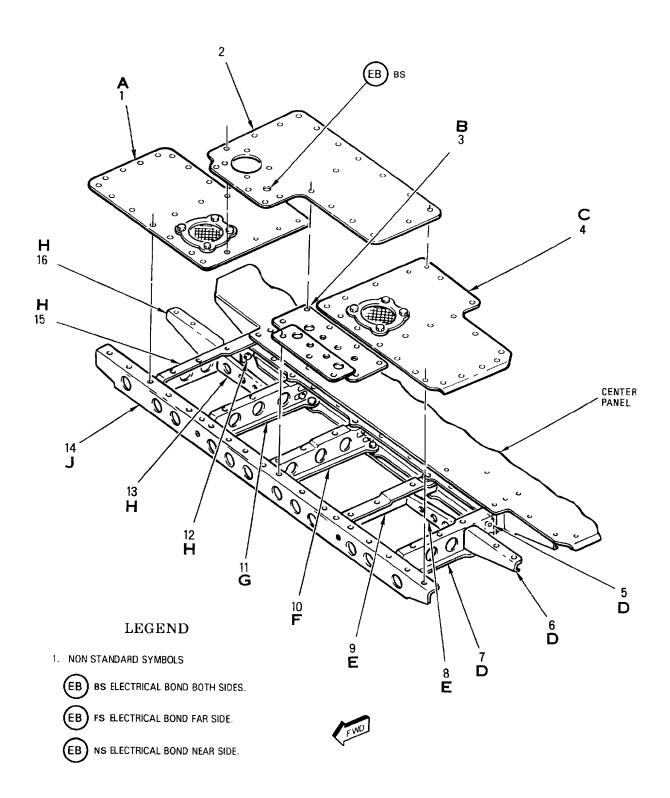
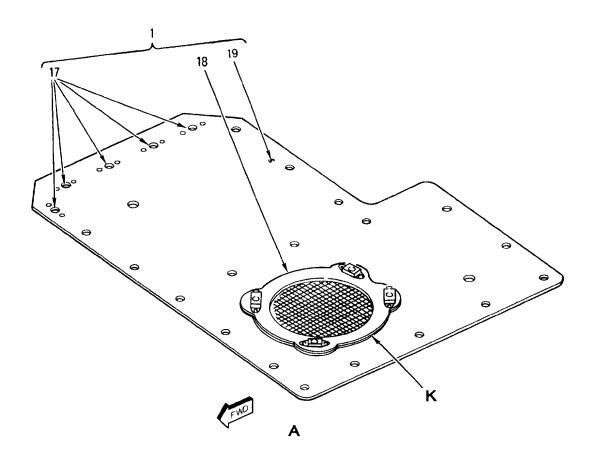


Figure 4. Forward Panel Assembly (Sheet 1)

18AC-460-30-(46-1)A



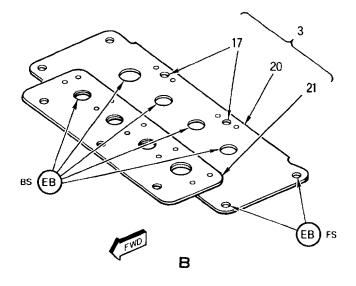


Figure 4. Forward Panel Assembly (Sheet 2)

18AC-460-30-(46-2)A

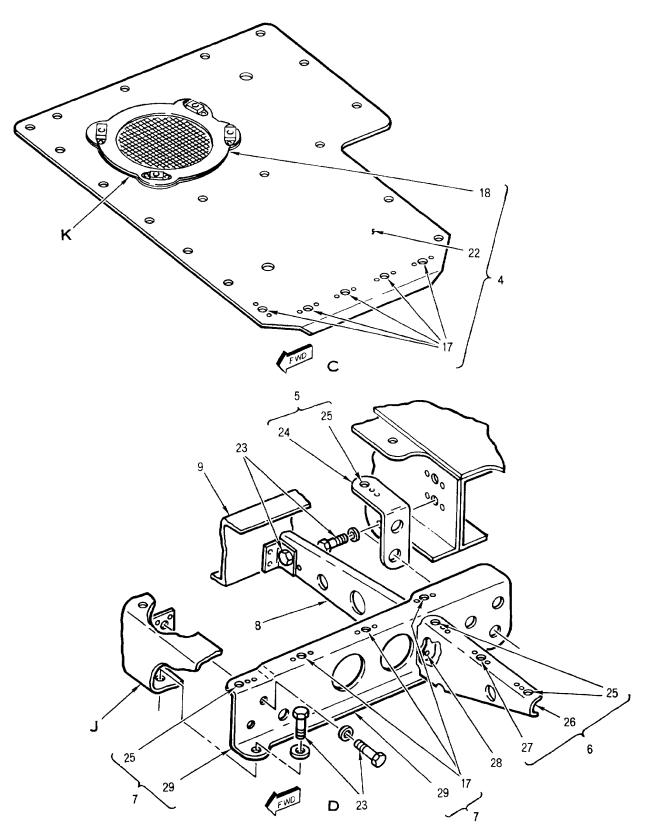


Figure 4. Forward Panel Assembly (Sheet 3)

18AC-460-30-(46-3)

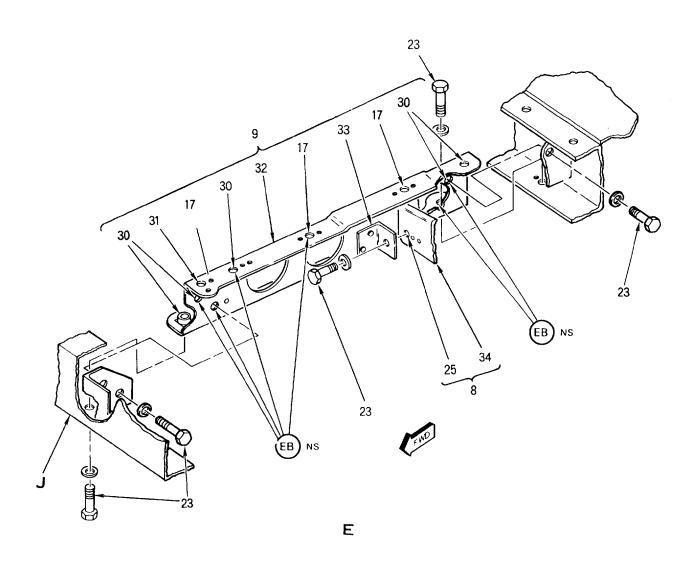


Figure 4. Forward Panel Assembly (Sheet 4)

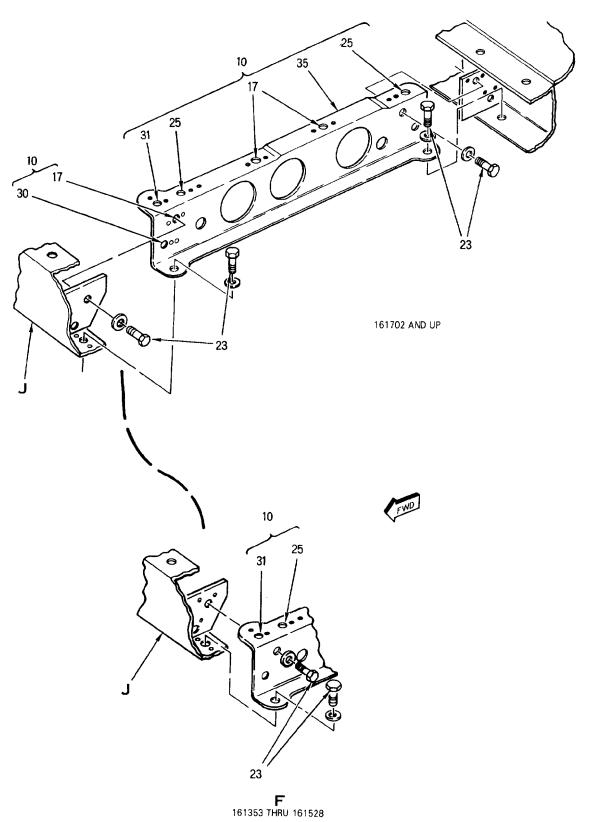


Figure 4. Forward Panel Assembly (Sheet 5)

18AC-460-30-(46-5)

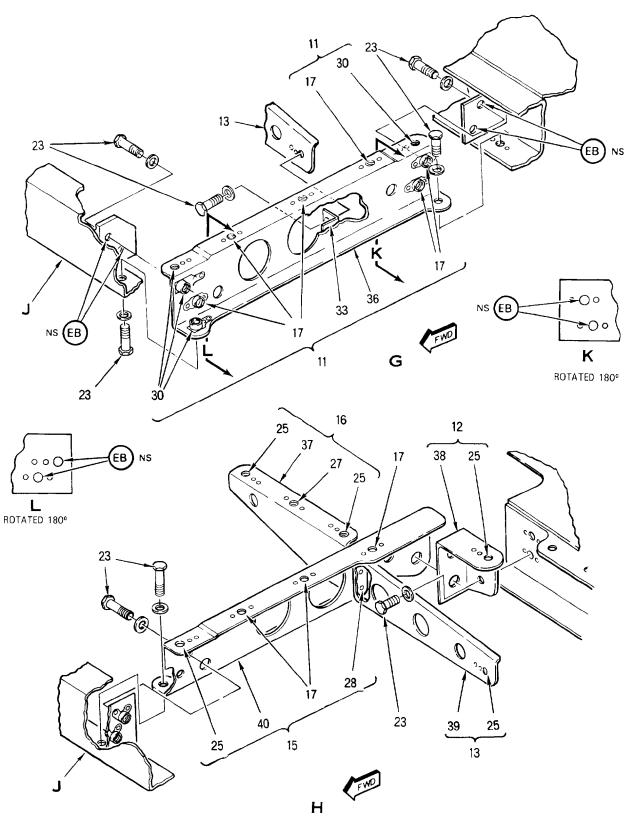


Figure 4. Forward Panel Assembly (Sheet 6)

18AC-460-30-(46-6)A

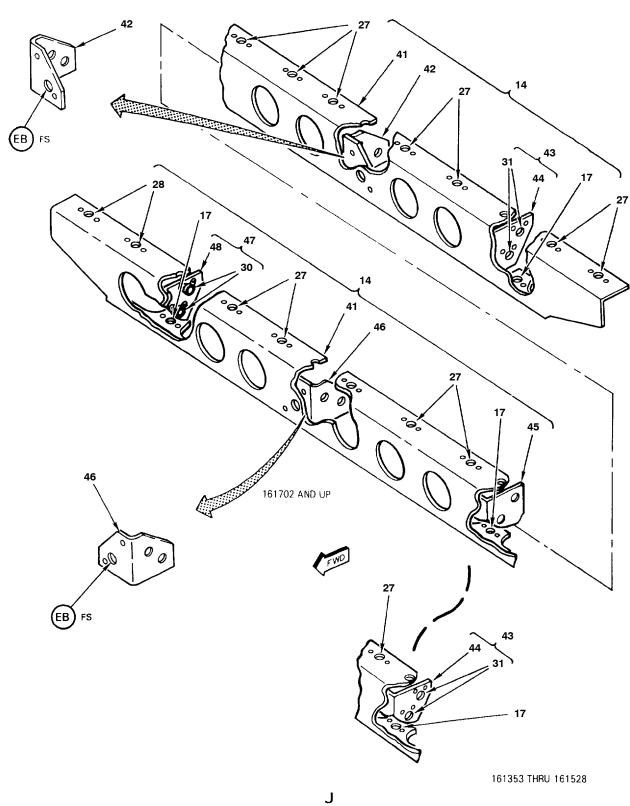
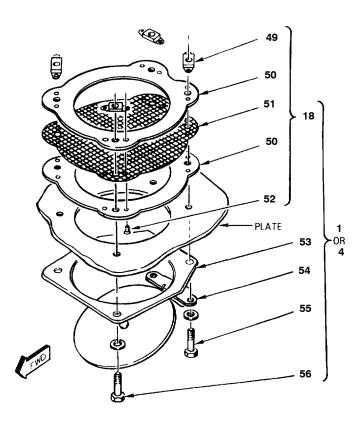


Figure 4. Forward Panel Assembly (Sheet 7)

18AC-460-30-(46-7)A



K

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		FORWARD PANEL ASSEMBLY			
1	74A586204-2261	. WEB ASSY (76301)	1		XBOOO
2	74A586204-2421	PLATE, STRUCTURAL (76301)	1		MGOZZ
3	74A586204-2421 74A586204-2287	BAFFLE ASSY (76301)	1		XBOOO
		(SUPERSEDÈS 74Á586204-2073)			
4	74A586204-2255	. WEB ASSY (76301)	1		XBOOO
5	74A586208-1002	. BRACKET, BAFFLE (76301)	1		XBOOO
6	74A586204-2228	. SUPPORT ASSY (76301)	1		XBOOO
7	74A586204-2211	. SUPPORT ASSY (76301)	1		XBOOO
8	74A586204-2293	. SUPPORT ASSY (76301)	1		XBOOO
9	74A586204-2213	. SUPPORT ASSY (76301)	1		XBOOO
10	74A586204-2479	. SUPPORT ASSY (76301)	1	A	XBOOO
	74A586204-2217	. SUPPORT ASSY (76301)	1	В	XBOOO
11	74A586204-2215	. SUPPORT ASSY (76301)	1		XBOOO
12	74A586208-1001	. BRACKET, BAFFLE (76301)	1		XBOOO
13	74A586204-2294	. SUPPORT ASSY (76301)	1		XBOOO
14	74A586204-2245	. BEAM ASSY (76301)	1		XBOOO
15	74A586204-2212	. SUPPORT ASSY (76301)	1		XBOOO
16	74A586204-2227	. SUPPORT ASSY (76301)	1		XBOOO
17	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4)	AR	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	AR	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
18	74A586204-2185	. SCREEN ASSY (76301)	1		XBOOO
19	74A586204-2259	. PLATE, STRUCTURAL (76301)	1		MGOZZ
20	74A586204-2289	. PLATE, STRUCTURAL (76301)	1		MGOZZ
21	74A586204-2291	. PLATE, STRUCTURAL (76301)	1		MGOZZ
	MS20470AD5 #	. RIVET (AP)	10		-
22	74A586204-2253	. PLATE, STRUCTURAL (76301)	1		MGOZZ
23	NAS673V5	. BOLT	AR		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 23)	AR		PAOZZ
24	74A586208-2002	. BRACKET (76301)	1		XBOZZ
25	F50340-3-2	. NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
	F12089-2-3	(MCDONNELL SPEC ST3M720C3M2) . NUT, SELF-LOCKING, PLATE (72962)	AR	*	PAOZZ
	NAS1097AD3 #	(MCDONNELL SPEC ST3M720C3M2)	2		_
26	74A586204-2322	. RIVET (AP)	1		XBOZZ
27	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653)	AR	*	PAOZZ
21		(MCDONNELL SPEC ST3M719C3M4)			
	F12090-4-3	. NUT, SELF-LOCKING. PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	AR	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
28	MS20470AD5 #	. RIVET	AR		-
29	74A586204-2203	. SUPPORT, STRUCTURAL (76301)	1		XBOZZ
30	F50340-3-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M4)	AR	*	PAOZZ
	F12089-4-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M4)	AR	*	PAOZZ

Figure 4. Forward Panel Assembly (Sheet 9)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	NAS1097AD3 #	. RIVET (AP)	2		<u>-</u>
31	F50403-3-4	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M721C3M4)	AR	*	PAOZZ
	F12092-4-3	NUT, SELF-LOCKING. PLATE (72962) (MCDONNELL SPEC ST3M721C3M4)	AR	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
32	74A586204-2205	. SUPPORT, STRUCTURAL (76301)	1		XBOZZ
33	74A586204-2277	BRACKET, ANGLE (76301)	2		XBOZZ
	MS20470AD5 #	. RIVET (AP)	2		-
34	74A586204-2269	. SUPPORT (76301)	1		XBOZZ
35	74A586204-2209	. SUPPORT, STRUCTURAL (76301)	1		XBOZZ
36	74A586204-2207	. SUPPORT, STRUCTURAL (76301)	1		XBOZZ
37	74A586204-2321	BRACKET, BAFFLE ASSY (76301)	1		XBOZZ
38	74A586208-2001	BRACKET (76301)	1		XBOZZ
39	74A586204-2270	SUPPORT, STRUCTURAL (76301)	1		XBOZZ
40	74A586204-2204	. SUPPORT, STRUCTURAL (76301)	1		XBOZZ
41	74A586204-2327	. BEAM, BAFFLE ASSY (76301)	1		XBOZZ
42	74A586204-2467	BRACKET, ANGLE (76301)	1		XBOZZ
	,	(SUPERSEDES 74A586204-2067)	•		
	MS20426AD5 #	. RIVET (AP)	2		-
43	74A586204-2474	. CLIP ASSY (76301)	1	Α	XBOOO
	74A586204-2474	. CLIP ASSY (76301)	2	В	XBOOO
44	74A586204-2472	. BRACKET, ANGLÉ (76301)	2		XBOZZ
45	74A586204-2127	. CLIP (76301)	1		XBOZZ
46	74A586204-2468	BRACKET, ANGLE (76301)	1		XBOZZ
	MS20426AD5 #	. RIVET (AP)	2		_
47	74A586204-2473	BRACKET ASSY (76301)	1		XBOOO
• ,	MS20470AD5 #	. RIVET (AP)	2		-
48	74A586204-2471	BRACKET, ANGLE (76301)	1		XBOZZ
49	MS21060L06	. NUT	4		PAOZZ
50	74A586204-2187	PLATE, RETAINING SCREEN (76301)	2		MGOZZ
51	74A586204-2189	SCREEN MESH (76301)	1		MGOZZ
52	NAS1097AD3 #	RIVET	8		-
53	74A586286-2001	SEAL PLATE (76301)	1		XBOZZ
54	55-6003	VALVE, CHECK (96736) (MCDONNELL	1		PAOZZ
		SPEC 74J588006-107)			
55	NAS1802-06-9	. SCREW	2		PAOZZ
	AN960JD6L	. WASHER (USE WITH INDEX 55)	2		PAOZZ
56	NAS1802-06-9	. SCREW	2		PAOZZ
	AN960JD6L	. WASHER (USE WITH INDEX 56)	2		PAOZZ

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

Figure 4. Forward Panel Assembly (Sheet 10)

[#] LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

Page 43/(44 blank)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE	
--------------	----------------	---------------------------	----------------------	-------------------	--------------	--

 CODE
 USABLE ON
 MODEL

 A
 161702 AND UP
 F/A 18A/B

 B
 161353 THRU 161528
 F/A-18A/B

Figure 4. Forward Panel Assembly (Sheet 11)

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE

SYSTEM MAINTENANCE WITH IPB

REPAIR - NO. 2 FUEL TANK INVERTED FLIGHT BAFFLE ASSEMBLY (5CAP516)

FUEL STORAGE SYSTEM

EFFECTIVITY: 161716 AND UP; ALSO 161353 THRU 161715 AFTER F/A-18 AFC 53

Reference Material

Structural Hardware	NAVAIR 01-1A-8
Structure Repair - General Information	. A1-F18AC-SRM-200
Sealant Preparation and Application	WP011 00
Aircraft Corrosion Control	. A1-F18AC-SRM-500
Form In Place Sealing	WP010 00

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Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/Sealing of Raised Baffle in Fuel Tanks 2 and 3 (ECP MDA-F/A-18-00077C1/C2)	15 Jul 86	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank Motive Flow Shut Off Valve, and Raised Inverted Baffle (ECP MDA-F/A-18-00055/C1)	15 Jul 86	-

Support Eq	uipment Required	Materials Required			
Part Number or Type Designation	Nomenclature	Specification or Part Number	Nomenclature		
-	External Air Source (20 to 40 psi)	CCC-C-440, Type I, Class I (CAGE 81348)	Cheesecloth		
		TT-I-735 (CAGE 81348)	Isopropyl Alcohol		

1. GENERAL.

a. For rivet and platenut removal and installation, refer to NAVAIR 01-1A-8.

2. INSPECTION.

- a. Inspect and replace platenuts which are:
 - (1) stripped
 - (2) cross threaded
- b. Inspect and replace rivets which are:
 - (1) loose
 - (2) missing
- c. Inspect and replace retainers (7, 8, 9 or 10, figure 1) which are:
 - (1) bent
 - (2) damaged
- d. Inspect and replace panels or web assemblies (figures 2 or 3) which are:
 - (1) cracked
 - (2) bent
 - (3) damaged
- e. Inspect and replace supports (paragraph 4) which are:
 - (1) cracked
 - (2) bent
 - (3) damaged
- f. Inspect and replace beams (paragraph 5) which are:
 - (1) cracked
 - (2) bent
 - (3) damaged

- g. Inspect and replace brackets or channels (paragraph 6 or 7) which are:
 - (1) cracked
 - (2) bent
 - (3) damaged
- h. Inspect and replace screen assemblies (paragraph 8) which are:
 - (1) torn
 - (2) dented
 - (3) damaged
- i. Inspect and replace check valves (paragraph 9) which are:
 - (1) damaged
 - (2) improperly seated
 - (3) binding
 - j. Inspect entire baffle assembly for:
 - (1) burrs
 - (2) sharp edges that could damage tank
 - (3) cleanliness
 - (4) corrosion

3. DISASSEMBLY.

a. Disassemble parts only enough to replace defective parts. Identify and tag all components to aid in reassembly.

4. SUPPORT ASSEMBLY.

a. Disassemble supports (1, figure 4) as required to repair or replace defective part.

5. BEAM ASSEMBLY.

a. Disassemble beam (2, 3, or 4, figure 4) as required to repair or replace defective part.

6. BRACKET ASSEMBLY.

a. Disassemble bracket (17, 18, 22 or 23, figure 1) as required to repair or replace defective part.

7. CHANNEL ASSEMBLY.

a. Disassemble channel (16 or 19, figure 1) as required to repair or replace defective part.

8. SCREEN ASSEMBLY.

- a. Remove applicable screen assembly per substeps below:
- (1) Remove screen assembly (14, figure 2) with attaching parts and, if applicable, housing (15).
- (2) Remove screen assembly (5, figure 3) with attaching parts and, if applicable, housing (6).
- (3) Remove screen assembly (3, figure 3) with check valve (4) and attaching parts.

9. CHECK VALVE.

- a. Remove applicable check valve per substeps below:
- (1) Remove check valve (16, figure 2) and attaching parts.
- (2) Remove check valve (4 or 7, figure 3) and attaching parts.
- (3) Remove check valve (9, figure 4), plate (10), adapter (11) and attaching parts.

10. CLEANING.









Isopropyl Alcohol, TT-I-735

Failure to do the steps below may result in damage to fuel tank.

- a. Clean all parts with dry, clean cloth or cheesecloth moistened with isopropyl alcohol until free of:
 - (1) grease
 - (2) dirt

WARNING

To prevent injury to personnel, do not direct compressed air against skin.

b. Blow loose foreign particles from parts using dry, filtered, low pressure (20 to 40 psi) air.

11. ASSEMBLY.

12. SUPPORT ASSEMBLY.

a. Assemble repaired/replaced parts of support assembly (1, figure 4).

13. BEAM ASSEMBLY.

a. Assemble repaired/replaced parts of beam assembly (2, 3, or 4, figure 4).

14. BRACKET ASSEMBLY.

a. Assemble repaired/replaced parts of bracket assembly (17, 18, 22 or 23, figure 1).

15. CHANNEL ASSEMBLY.

a. Assemble repaired/replaced parts of channel assembly (16 or 19, figure 1).

16. SCREEN ASSEMBLY.

- a. Install applicable screen assembly per substeps below:
- (1) Position housing (15, figure 2), if applicable, and install screen assembly (14) with attaching parts.

- (2) Position housing (6, figure 3), if applicable, and install screen assembly (5) with attaching parts.
- (3) Install screen assembly (3, figure 3) with check valve (4) and attaching parts.

17. CHECK VALVE.

- a. Install applicable check valve per substeps below:
- (1) Install check valve (16, figure 2) with attaching parts.
- (2) Install check valve (4 or 7, figure 3) with attaching parts.
- (3) Install check valve (9, figure 4), plate (10), adapter (11) and attaching parts.

18. BAFFLE SEALING - 161746 AND UP; ALSO 161353 THRU 161745 AFTER F/A-18 AFC 18.

NOTE

See figures 2 thru 4 for location of form in place and fay seals.

- a. Repair form in place seals per A1-F18AC-SRM-500, WP010 00.
- b. Repair fay seals per A1-F18AC-SRM-200, WP011 00.

19. ILLUSTRATED PARTS BREAKDOWN.

20. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

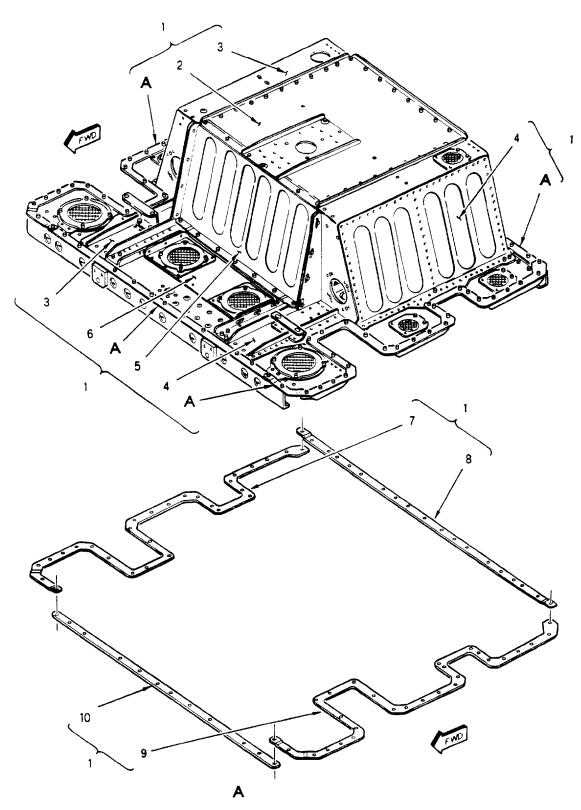


Figure 1. Inverted Flight Baffle (5CAP516) (Sheet 1)

18AC-460-30-(47-1)

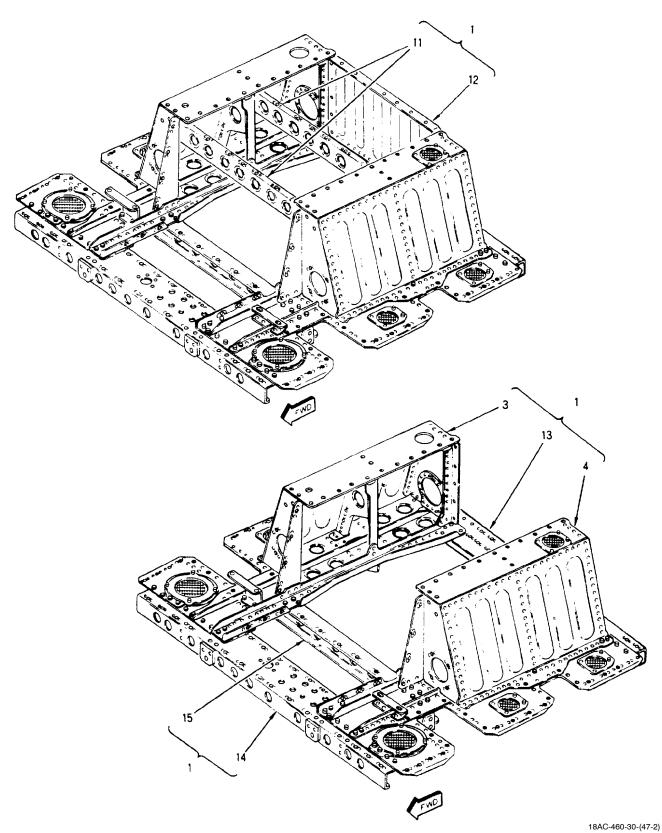


Figure 1. Inverted Flight Baffle (5CAP516) (Sheet 2)

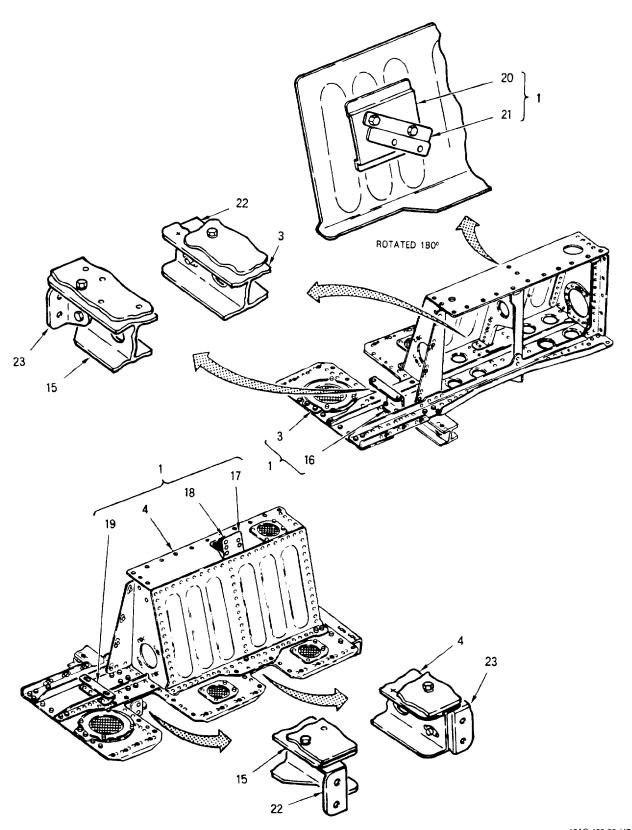


Figure 1. Inverted Flight Baffle (5CAP516) (Sheet 3)

18AC-460-30-(47-3)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		INVERTED FLIGHT BAFFLE (5CAP516)			
1	74A586246-1003	BAFFLE ASSEMBLY - TANK NO. 2	1	В	AOOOG
	74A586246-1005	. SEE ABOVE (USE WITH EXHAUSTED)	1	C	AOOOG
	74A586246-1001	. SEE ABOVE	1	D	AOOOG
2	74A586247-1029	. COVER ASSY (76301)	1	E	XBOOO
	74A586247-1049	. COVER ASSY (76301)	1	F	XBOOO
	NAS673V4	. BOLT (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
3	74A586246-2009	. WEB ASSY, RIGHT (76301)	1		XBOOO
	NAS673V4	BOLT (AP) (SUPERSEDES	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
4	74A586246-2007	. WEB ASSY, LEFT (76301)	1		XBOOO
	NAS673V4	. BOLT (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
5	74A586246-2011	. FWD PANEL ASSY (76301)	1		XBOOO
	NAS673V4	. BOLT (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
6	74A586247-1061	DOUBLER PANEL (76301) (SUPERSEDES 74A586247-1013)	1		XBOOO
	NAS673V4	. BOLT (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
7	74A586247-2104	. RETAINER (76301) (SUPERSEDES	1		XBOZZ
	NAS1351C3-10	. SCREW (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
8	74A586247-2049	. RETAINER (76301)	1		XBOZZ
	NAS1351C3-10	. SCREW (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
9	74A586247-2103	. RETAINER (76301) (SUPERSEDES	1		XBOZZ
	NAS1351C3-10	. SCREW (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
10	74A586247-2051	. RETAINER (76301)	1		XBOZZ
	NAS1351C3-10	. SCREW (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
11	74A586247-1003	. SUPPORT ASSY (76301)	2		XBOOO
	NAS673V4	. BOLT (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
12	74A586246-2013	. PANEL AFT (76301) (FOR REPAIR SEE FIGURE 2)	1		XBOOO
	NAS673V4	. BOLT (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
13	74A586246-2001	. BEAM ASSY, AFT (76301)	1		XBOOO
14	74A586246-2003	. BEAM ASSY, FWD (76301)	1		XBOOO
15	74A586246-2015	BEAM ASSY, CENTER (76301)	1		XBOOO
	74A586246-2005	. BEAM ASSY, CENTER (76301)	1	*	XBOOO

Figure 1. Inverted Flight Baffle (5CAP516) (Sheet 4)

INDEX	PART	DECORPTION	UNITS	USE	SM&R
NO.	NUMBER	DESCRIPTION 1 2 3 4 5 6 7	PER ASSY	ON CODE	CODE
16	74A586387-1117	. CHANNEL ASSY (76301) (SUPERSEDES	1		XBOOO
	NAS673V5	. BOLT (AP)	2		
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	MS21062L3	. NUT, PLATE (USE WITH INDEX 16)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
	74A586387-2155	. CHANNEL (76301) (USE WITH INDEX 16) (SUPERSEDES 74A586387-2091)	1		XBOZZ
17	74A586247-2065	BRACKET (76301)	1		XBOZZ
18	74A586387-1059	. BRACKET ASSY (76301)	1		XBOOO
	NAS673V5	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	MS21062L3	. NUT, PLATE (USE WITH INDEX 18)	1		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
	74A586387-2075	. BRACKET (76301) (USE WITH INDEX 18)	1		XBOZZ
19	74A586387-1119	. CHANNEL ASSY (76301) (SUPERSEDES	1		XBOOO
	NAS673V5	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	MS21062L3	. NUT, PLATE (USE WITH INDEX 19)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
	74A586387-2157	. SUPPORT (76301) (USE WITH INDEX 19) (SUPERSEDES 74A586387-2067)	1		XBOZZ
20	74A586247-1043	. BRACKET ASSY (76301)	1		XBOOO
	MS20470E6#	. RIVET (AP)	4		-
	MS21060L3	. NUT, PLATE (USE WITH INDEX 20)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
	MS21062L3	. NUT, PLATE (USE WITH INDEX 20) (EDGE OF BRACKET)	1		PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
	74A586247-2075	BRACKET (76301) (USE WITH INDEX 20)	1		XBOZZ
21	74A586247-1045	. BRACKET ASSY (76301)	1		XBOOO
	NAS673V2	. BOLT (AP)	2		PAOZZ
	4M36-01060	. WASHER (AP) (76301)	2		PAOZZ
	MS21062L3	. NUT, PLATE (USE WITH INDEX 21)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
	74A586247-2077	BRACKET (76301) (USE WITH INDEX 21)	1		XBOZZ
22	74A586208-1004	. BRACKET, BAFFLE - FUEL TANK INVERTED FLIGHT (76301) (LEFT SIDE FWD, RIGHT SIDE AFT)	1		XBOOO
	NAS673V4	BOLT (AP) (THRU BEAM)	2		PAOZZ
	NAS673V5	BOLT (AP) (THRU WEB AND BEAM)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	3		PAOZZ
	F50340-3-2	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M2) (USE WITH INDEX 22)	1	*	PAOZZ
	F12089-2-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M2) (USE WITH INDEX 22)	1	*	PAOZZ
	MS20426AD3 #	. RIVET (A)	1		-
	74A586208-2006	BRACKET (76301) (USE WITH INDEX 22)	1		XBOZZ

Figure 1. Inverted Flight Baffle (5CAP516) (Sheet 5)

INDEX NO.	PART NUMBER	1 2	3 4	5	DESCRIPTION 6 7	·	UNITS PER ASSY	USE ON CODE	SM&R CODE
23	74A586208-1003		INVE	RTI	BAFFLE - FUEL TAN ED FLIGHT (76301) (I EFT SIDE AFT)		1		XB000
	NAS673V4	. во	DLT (A	P) (THRU BEAM)		1		PAOZZ
	NAS673V5				THRU WEB AND BE		1		PAOZZ
	AN960JD10L	. WA	ASHÈF	R (A	P)		3		PAOZZ
	F50340-3-2	. NU	JT, SEI (MCI	LF-I OON	LOCKING, PLATE (15 INELL SPEC ST3M72 TH INDEX 23)	5653)	1	*	PAOZZ
	F12089-2-3	. NU	(MCI	OON	LOCKING, PLATE (72 INELL SPEC ST3M72 TH INDEX 23)		1	*	PAOZZ
	MS20426AD3 #	. RIV	VET (A	AP)			2		-
	74A586208-2006	. BR	RACKI	ET (76301) (USE WITH IN	NDEX 23)	2		XBOZZ
		* ALTERNATE OR EQUIVALENT PARTS. (WP002 00) # LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.							
		CODE	Ę		USABLE ON	MODEL			
		A		DE	LETED				
		В		161	716 & UP; ALSO 353 THRU 161715 TER F/A-18 AFC 53	F/A-18A/B			
		C		161	746 THRU 161761	F/A-18A/B			
		D		161	716 THRU 161745	F/A-18A/B			
		E		PN	74A586246-1001 &				

74A586246-1005 PN 74A586246-1003

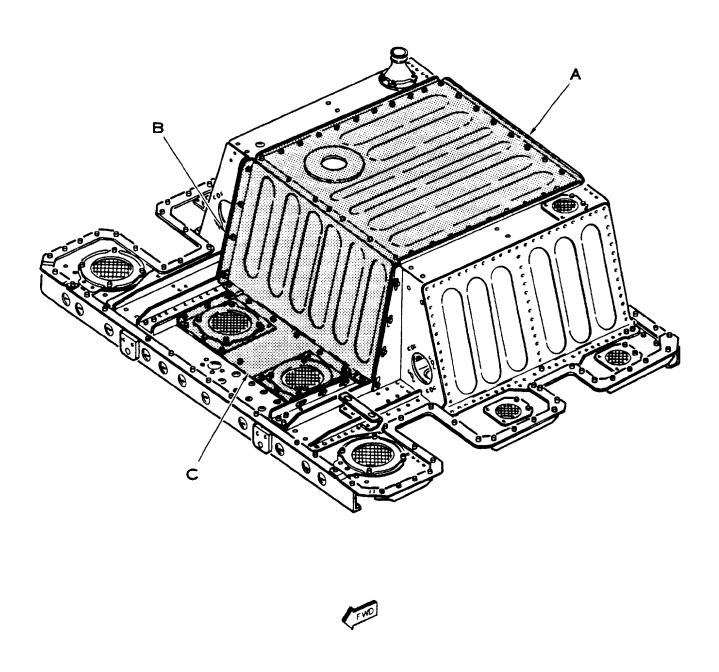


Figure 2. Access Panels (Sheet 1)

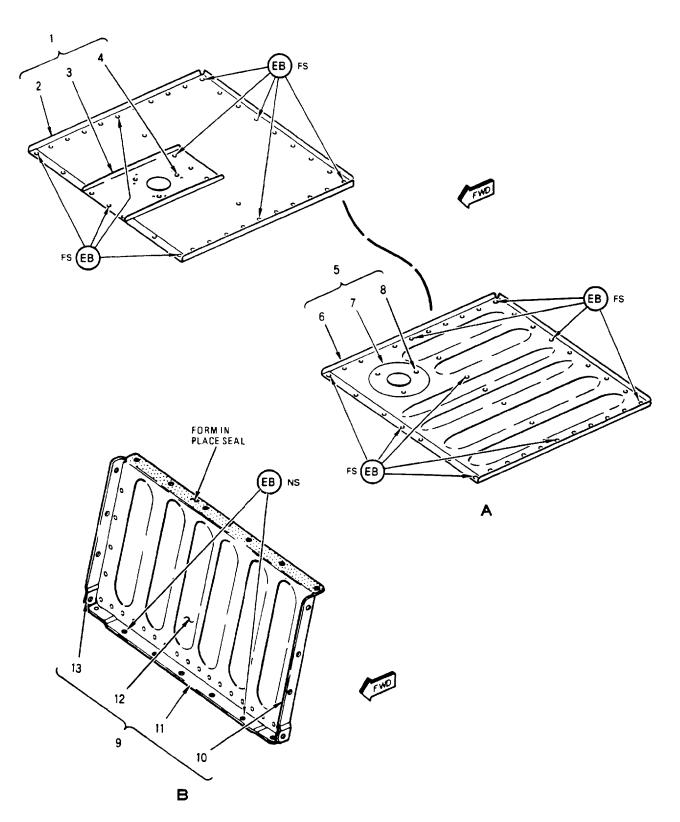


Figure 2. Access Panels (Sheet 2)

18AC-460-30-(48-2)C

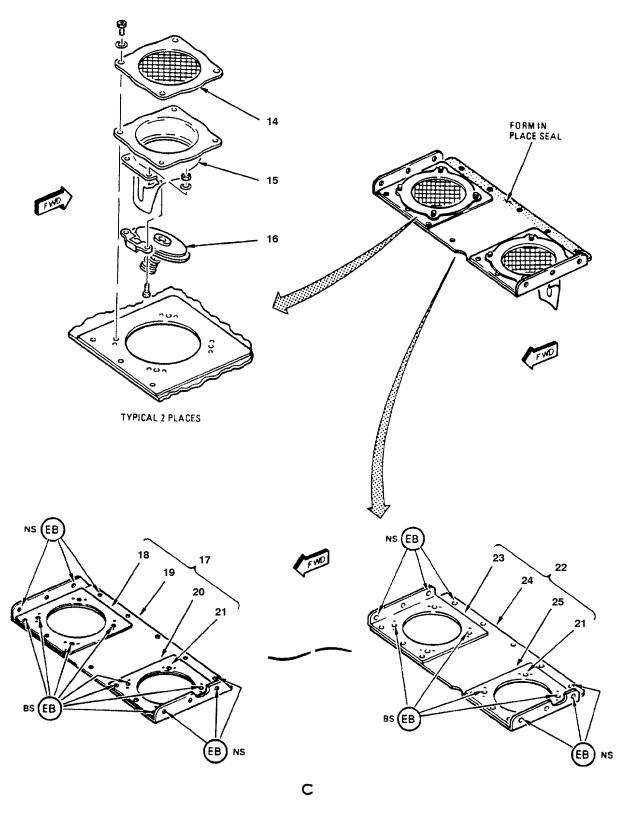


Figure 2. Access Panels (Sheet 3)

18AC-460-30-(48-3)C

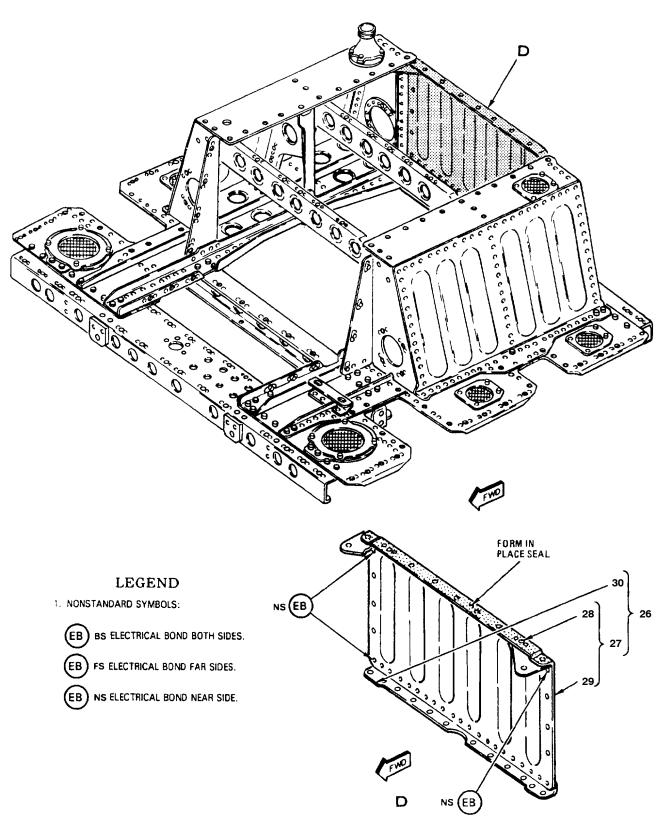


Figure 2. Access Panels (Sheet 4)

18AC-460-30-(48-4)D

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		ACCESS PANELS			
1	74A586247-1029	. COVER ASSY (76301)	1	A	XBOOO
	NAS673V4	. BOLT (AP)	39		PAOZZ
	AN960JD10L	. WASHER (AP)	39		PAOZZ
2	74A586247-2033	. COVER (76301)	1	A	XBOZZ
3	74A586247-2053	. DOUBLER (76301)	1	A	XBOZZ
	NAS1097AD5 #	. RIVET (AP)	19		-
4	MS21060L3	. NUT, PLATE	3	Α	PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
5	74A586247-1049	. COVER ASSY (76301)	1	В	XBOOO
	NAS673V4	. BOLT (AP)	39		PAOZZ
	AN960JD10L	. WASHER (AP)	39		PAOZZ
6	74A586247-2135	. COVER (76301) (SUPERSEDES74A586247-2091)	1	В	XBOZZ
7	74A586247-2085	. DOUBLER (76301)	1	В	XBOZZ
	NAS1097AD4#	. RIVET (AP)	17		-
8	MS21060L3	. NUT, PLATE	3		PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
9	74A586246-2011	. PANEL ASSY, FRONT (76301)	1		XBOOO
	NAS673V4	. BOLT (AP)	15		PAOZZ
	AN960JD10L	. WASHER (AP)	15		PAOZZ
10	74A586387-2029	. PANEL, TOP (76301)	1		XBOZZ
	MS20470AD5 #	. RIVET (AP)	6		-
11	74A586247-2117	. STIFFENER (76301) (SUPERSEDES	1		XBOZZ
	MS20470AD5 #	. RIVET (AP)	18		-
12	74A586247-2089	. PANEL, FRONT (76301)	1		XBOZZ
13	74A586387-2030	. PANEL, TOP (76301)	1		XBOZZ
	MS20470AD5 #	. RIVET (AP)	6		-
14	74A586385-1001	. SCREEN ASSEMBLY (76301)	2		PAOZZ
15	74A586384-2005	. HOUSING CHECK VALVE - BAFFLE ASSY FUEL TK NO. 2 & 3 (76301) (SUPERSEDES 74A586384-2001)	2		XBOZZ
	NAS1802-06-8	. SCREW (AP)	4		PAOZZ
	AN960C6L	. WASHER (AP)	4		PAOZZ
16	55-6007	. VALVE, CHECK (96736) (MCDONNELL	2		PAOZZ
	NAS1802-06-8	. SCREW (AP)	2		PAOZZ
	AN960JD6L	. WASHER (AP)	2		PAOZZ
	NAS1291C06M	. NUT (AP)	2		PAOZZ
17	74A586247-1013	PANEL ASSY, DOUBLER (76301)	1	C	XBOOO
	NAS673V4	. BOLT (AP)	13		PAOZZ
	AN960JD10L	. WASHER (AP)	13		PAOZZ
18	74A586247-2019	. DOUBLER (76301)	1	\mathbf{C}	XBOZZ
	NAS1097AD4#	. RIVET (AP)	16		-
19	74A586247-2017	. PANEL, CENTER (76301)	1	C	XBOZZ
20	74A586247-2005	. DOUBLER (76301)	1	C	XBOZZ
	NAS1097AD4 #	. RIVET (AP)	16		-
21	MS21060L06	. NUT, PLATE	8		PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-

Figure 2. Access Panels (Sheet 5)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
22	74A586247-1061		PANEL ASSY, DOUBLER (76301)	1	D	XBOOO
	NAS673V4		BOLT (AP)	13	_	PAOZZ
	AN960JD10L		WASHER (AP)	13		PAOZZ
23	74A586247-2121		DOUBLER (76301)	1	D	XBOZZ
	NAS1097AD5 #		RIVET (AP)	15		-
24	74A586247-2123		PANEL, CENTER (76301)	1	D	XBOZZ
25	74A586247-2119		DOUBLER (76301)	1	D	XBOZZ
	NAS1097AD5 #		RIVET (AP)	15		-
26	74A586246-2013		PANEL ASSY, APT (76301)	1		XBOOO
27	74A586247-1051		PANEL ASSY, AFT (76301) (SUPERSEDES	1		XBOOO
	NAS673V4		BOLT (AP)	22		PAOZZ
	AN960JD10L		WASHER (AP)	22		PAOZZ
28	F50339-3-4		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4)	11	*	PAOZZ
	F12090-4-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	11	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	22		-
29	74A586247-2101		PANEL, AFT (76301) (SUPERSEDES	1		XBOZZ
30	74A586387-2161		ANGLE (76301) (SUPERSEDES	1		XBOZZ
	MS20470AD5 #		RIVET (AP)	19		-

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

CODE	USABLE ON	MODEL
A	161716 THRU 161761	F/A-18A/B
В	161924 & UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 53	F/A-18A/B
C	161716 THRU 162464	F/A-18A/B
D	162465 & UP; ALSO 161353 THRU 161965 AFTER F/A-18 AFC 53	F/A-18A/B

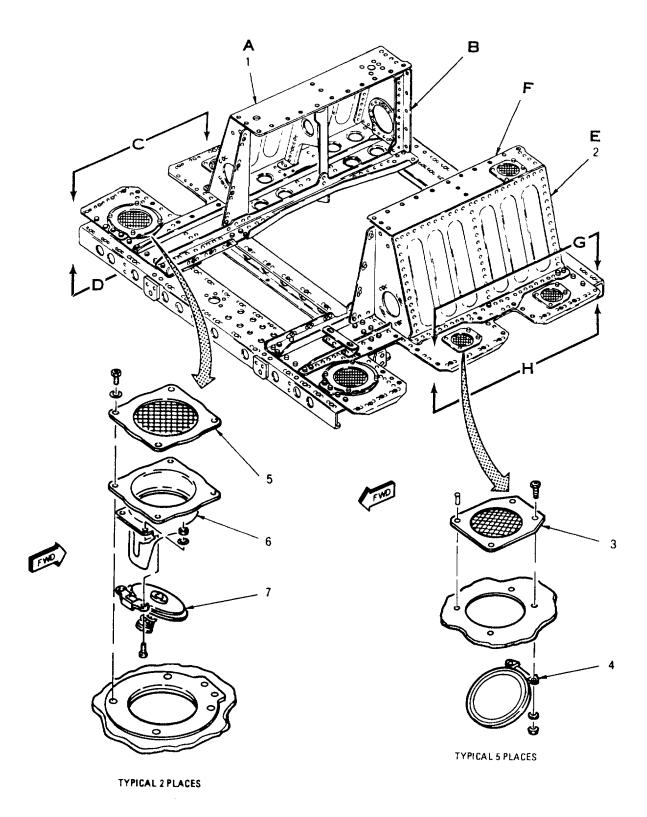


Figure 3. Left and Right Web Assemblies (Sheet 1)

18AC-460-30-(49-1)C

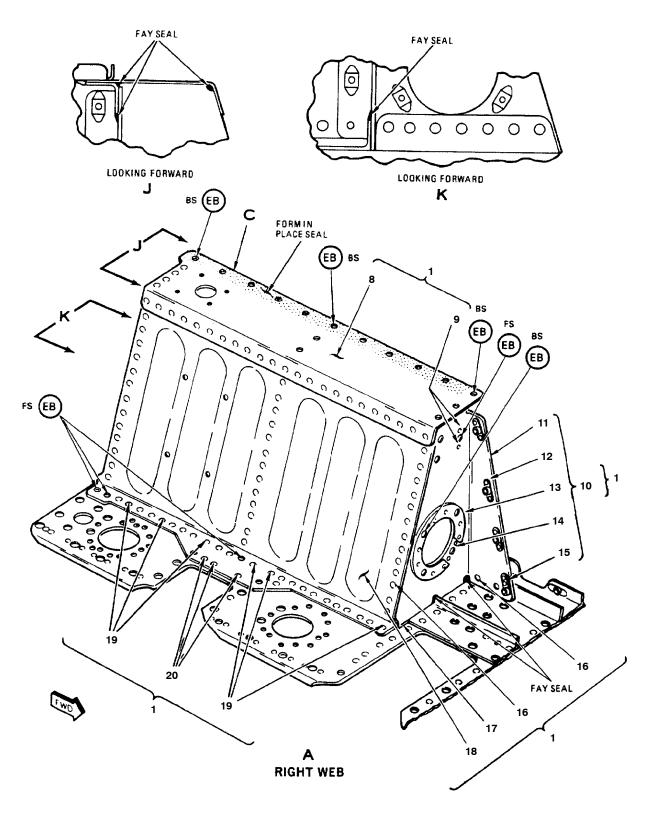


Figure 3. Left and Right Web Assemblies (Sheet 2)

18AC-460-30-(49-2)C

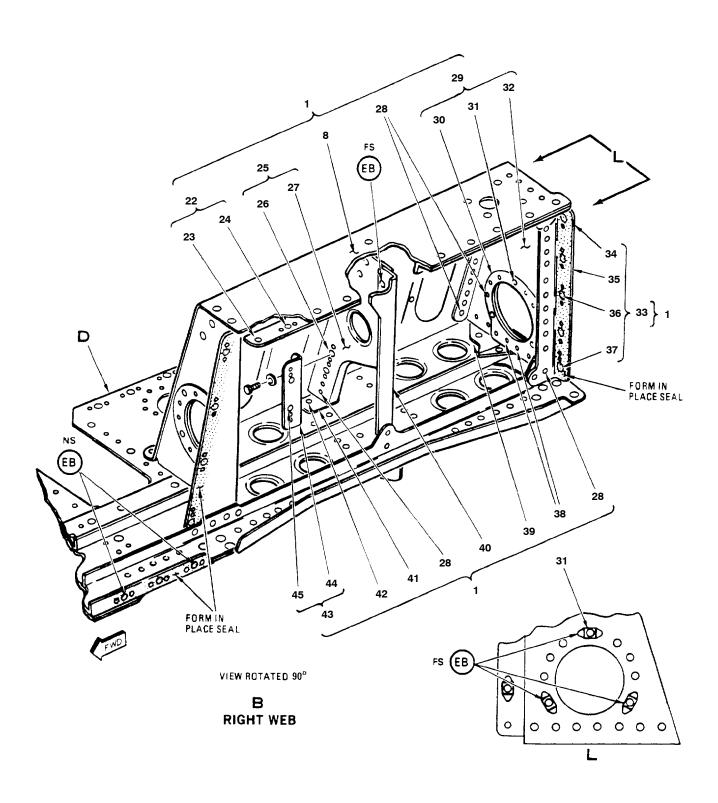


Figure 3. Left and Right Web Assemblies (Sheet 3)

18AC-460-30-(49-3)F

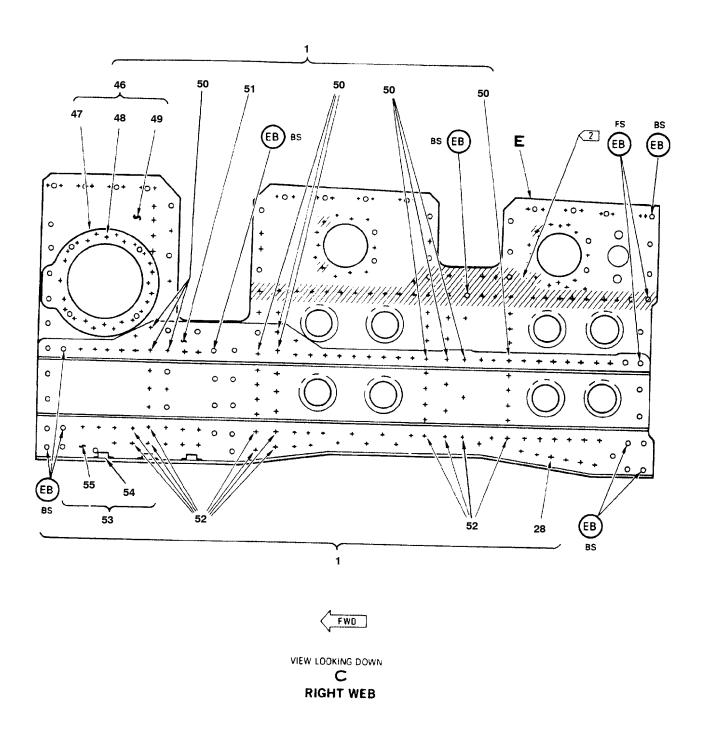


Figure 3. Left and Right Web Assemblies (Sheet 4)

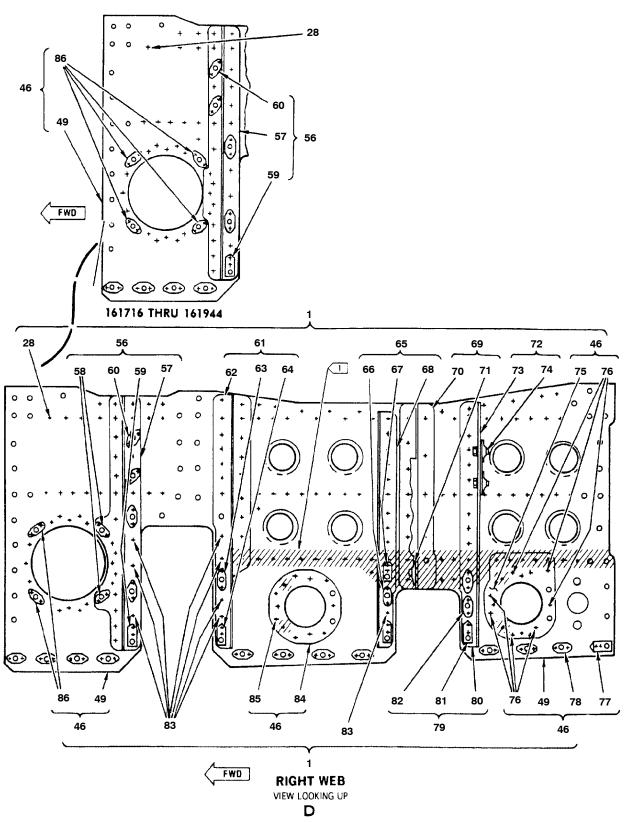


Figure 3. Left and Right Web Assemblies (Sheet 5)

18AC-460-30-(49-5)E

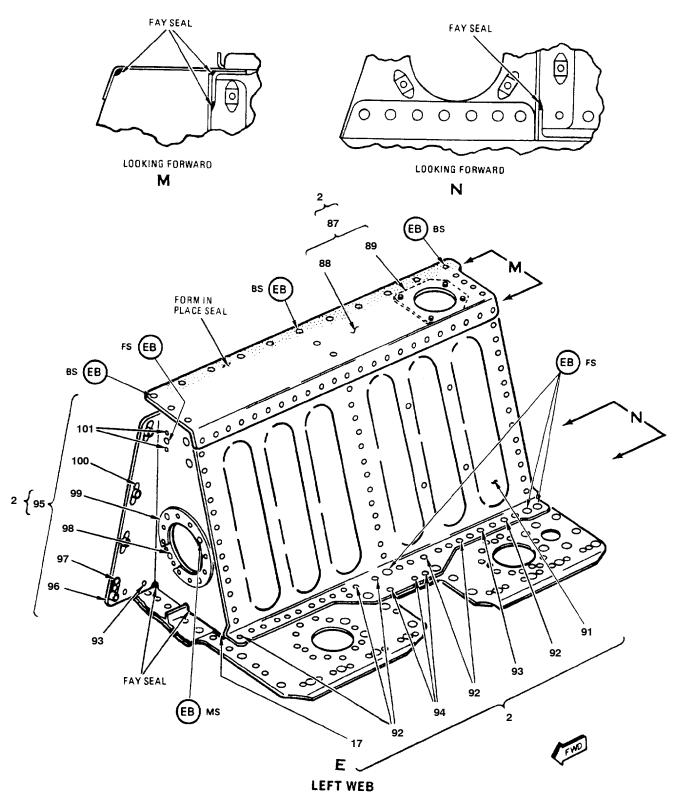


Figure 3. Left and Right Web Assemblies (Sheet 6)

18AC-460-30-(49-6)C

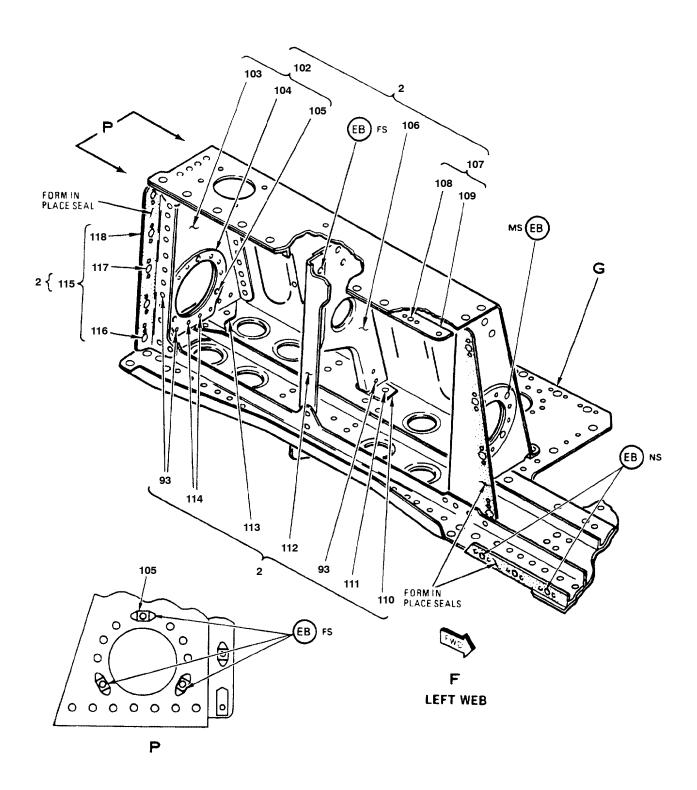


Figure 3. Left and Right Web Assemblies (Sheet 7)

18AC-460-30-(49-7)C

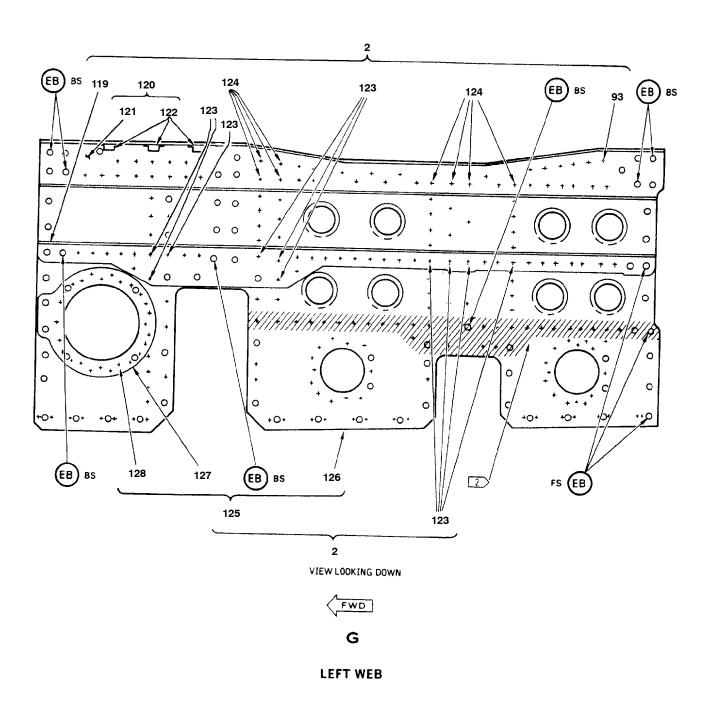


Figure 3. Left and Right Web Assemblies (Sheet 8)

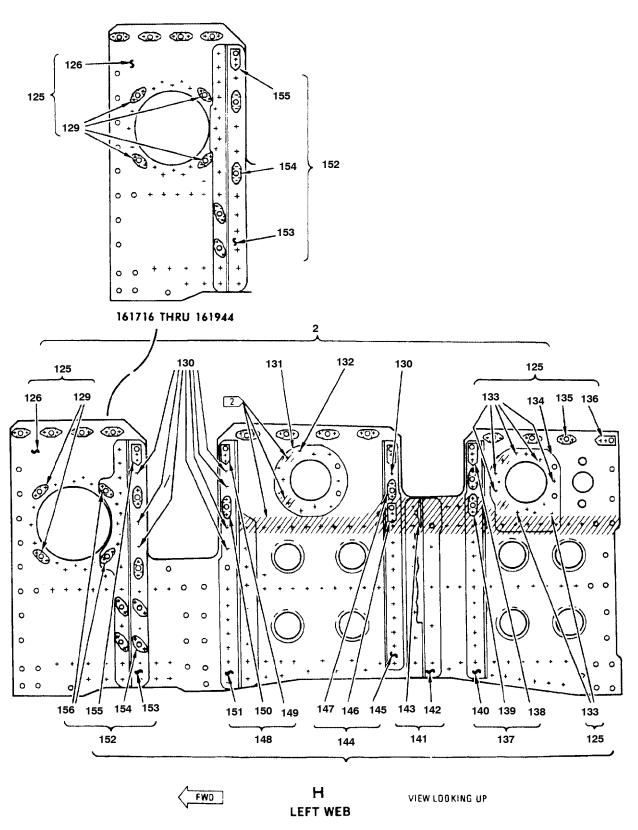


Figure 3. Left and Right Web Assemblies (Sheet 9)

18AC-460-30-(49-9)E

INDEX	PART		UNITS	USE	SM&R
NO.	NUMBER	DESCRIPTION 1 2 3 4 5 6 7	PER ASSY	ON CODE	CODE
		LEFT AND RIGHT WEB ASSEMBLIES			
1	744596246 2000		1		VDOOO
1	74A586246-2009	WEB ASSY, RIGHT (76301)	1		XBOOO
2	74A586246-2007	. WEB ASSY, LEFT (76301)	1 5		XB000
3	74A586385-1003	. SCREEN ASSEMBLY, PRESSURE	5		PAOZZ
	MS20470AD5 #	. RIVET (AP)	2		-
4	55-6006	. VALVE, CHECK, FUEL SYSTEM	5	*	PAOZZ
	32C112-111	. SEE ABOVE (82829)	5	*	PAOZZ
	NAS1802-06-8	. SCREW (AP)	2		PAOZZ
	AN960JD6L	. WASHER (AP)	2		PAOZZ
	NAS1291C06M	. NUT (AP)	2		PAOZZ
5	74A586385-1001	. SCREEN ASSEMBLY (76301)	2		PAOZZ
	NAS1802-06-8	. SCREW (AP)	4		PAOZZ
	AN960JD6L	. WASHER (AP)	4		PAOZZ
6	74A586384-2005	HOUSING, CHECK VALVE - BAFFLE	2		XBOZZ
7	55-6007	. VALVE, CHECK (96736) (MCDONNELL	2		PAOZZ
	NAS1802-06-8	. SCREW (AP)	2		PAOZZ
	AN960JD6L	. WASHER (AP)	2		PAOZZ
	NAS1291C06M	. NUT (AP)	2		PAOZZ
8	74A586247-2115	PANEL, UPPER SIDE (76301)	1	A	XBOZZ
	74A586247-2030	. SEE ABOVE	1	C	XBOZZ
	MS20470AD5 #	. RIVET (AP)	27		-
9	NAS1097AD5 #	RIVET	2		_
10	74A586247-1027	. FORMER ASSY (76301)	1		XBOOO
11	74A586247-2039	. FORMER (76301)	1		XBOZZ
12	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653)	7	*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962)	7	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
13	74A586247-2041	. DOUBLER (76301)	1		XBOZZ
	NAS1097AD5 #	. RIVET (AP)	8		-
14	F50339-3-2	NUT, SELF-LOCKING, PLATE (15653)(MCDONNELL SPEC ST3M719C3M2)	4	*	PAOZZ
	F12090-2-3	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	4	*	PAOZZ
	NAS1097AD3 #	RIVET (AP)	2		-
15	F50340-3-4	NUT, SELF-LOCKING, PLATE (15653)(MCDONNELL SPEC ST3M720C3M4)	1	*	PAOZZ
	F12089-4-3	. NUT, SELF-LOCKING, PLATE (72962)	1	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
16	MS20470AD5 #	. RIVET	AR		-

Figure 3. Left and Right Web Assemblies (Sheet 10)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
17	74A586246-2017		SHIM (76301)	2		XBOZZ
18	74A586247-2106		PANEL, SIDÉ (76301) (SUPERSEDES	1		XBOZZ
19	MS20470AD6#		RIVET (AP)	6		-
20	MS20426AD5#		RIVET (AP)	3		-
21	3M1020-6-4		RIVET, SOLID (76301)	3	В	PAOZZ
22	74A586387-1040		SUPPORT ASSY (76301)	1		XBOOO
	MS20470AD5 #		RIVET (AP)	4		-
23	74A586387-2052		SUPPORT (76301)	1		XBOZZ
24	F50339-3-4		NUT, SELF-LOCKING, PLATE (15653)(MCDONNELL SPEC ST3M719C3M4)	7	*	PAOZZ
	F12090-4-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	7	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
25	74A586247-1007		FORMER ASSY (76301)	1		XBOOO
26	F50339-3-2		NUT, SELF-LOCKING, PLATE (15653)(MCDONNELL SPEC ST3M719C3M2)	2	*	PAOZZ
	F12090-2-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	2	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
27	74A586247-2014		FORMER (76301)	1		XAOZZ
28	M520470AD5 #		RIVET	AR		-
29	74A586247-1018		SUPPORT ASSY (76301)	1		XBOOO
30	74A586247-2025		SUPPORT (76301)	1		XBOZZ
31	F50339-3-2	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2)	3	*	PAOZZ
	F12090-2-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	3	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
32	74A586247-2024		FORMER (76301)	1		XBOZZ
33	74A586387-1104	•	SUPPORT ASSY (76301) (SUPERSEDES	1		XBOOO
	MS20470DD5 #		RIVET (AP)	14		-
34	F52673H-3		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M726C3MH)	1	*	PAOZZ
	NS202725G-3		SEE ABOVE (80539)	1	*	PAOZZ
	BSN726C3MH		SEE ABOVE (27238)	1	*	PAOZZ
	NAS463XD10M		SPACER	2		PAOZZ
35	74A586387-2126	•	SUPPORT (76301) (SUPERSEDES	1		XBOZZ
36	F50339-3-4		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4)	3	*	PAOZZ
	F12090-4-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	3	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
37	F50340-3-4		NUT, SELF-LOCKING, PLATE (15653)(MCDONNELL SPEC ST3M720C3M4)	1	*	PAOZZ

Figure 3. Left and Right Web Assemblies (Sheet 11)

INDEX NO.	PART NUMBER	DESCRIPTION PE 1 2 3 4 5 6 7 ASS	R ON	SM&R CODE
	F12089-4-3	. NUT, SELF-LOCKING, PLATE (72962)	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP) 2		-
38	NAS1097AD5 #	. RIVET 2		-
39	74A586387-2062	. SUPPORT (76301)		XBOZZ
	NAS673V4	. BOLT (AP)		PAOZZ
	AN960JD10L	. WASHER (AP) 4		PAOZZ
40	74A586387-2050	. SUPPORT (76301)		XBOZZ
	MS20470AD5 #	. RIVET (AP)		-
	74A586246-2021	. SHIM (USE WITH INDEX 40) AI (BETWEEN 74A586387-2050 AND 74A586387-1040)	R	MGOZZ
41	74A586387-2054	. TEE CLIP (76301)		XBOZZ
	MS20470AD5 #	. RIVET (AP)		-
42	MS20470DD6#	. RIVET (AP) 2		-
43	74A586387-1089	. BRACKET ASSY (76301)		XBOOO
	NAS673V4	. BOLT (AP)		PAOZZ
	AN960JD10	. WASHER (AP)		PAOZZ
44	74A586387-2103	. ANGLE (76301)		XBOZZ
45	MS21062L3	. NUT, PLATE 2		PAOZZ
	MS20426AD3 #	. RIVET (AP)		-
46	74A586247-1058	. WEB ASSY (76301) (SUPERSEDES	E	XBOOO
	74A586247-1010	. SEE ABOVE	D	XBOOO
47	74A586247-2043	. DOUBLER (76301)		XBOZZ
48	NAS1097AD4#	. RIVET (AP)		-
49	74A586247-2110	. WEB (76301) (SUPERSEDES		XBOZZ
50	MS20470DD6 #	. RIVET (AP)		-
51	74A586387-2040	. SUPPORT (76301)		XBOZZ
52	MS20470DD6 #	. RIVET (AP)		-
53	74A586247-1042	. BEAM ASSY (76301)		XBOOO
54	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653)	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962)	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP) 2		-
55	74A586247-2068	BEAM (76301)		XBOZZ
56	74A586387-1038	. SUPPORT ASSY (76301)	D	XBOOO
	74A586387-1102	. SUPPORT ASSY (76301)	E	XBOOO
57	74A586387-2046	. SUPPORT (76301)	D	XBOZZ
	74A586387-2124	. SUPPORT (76301)	Е	XBOZZ
58	MS21060L06	NUT, PLATE	Е	PAOZZ
	MS20426AD3 #	. RIVET (AP)		-
59	F50340-3-2	. NUT, SELF-LOCKING, PLATE (15653)	*	PAOZZ
	F12089-2-3	. NUT, SELF-LOCKING, PLATE (72962)	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP) 2		-

Figure 3. Left and Right Web Assemblies (Sheet 12)

INDEV	DADT			UNITS	USE	CM O D
INDEX NO.	PART NUMBER		DESCRIPTION	PER	ON	SM&R CODE
		1	2 3 4 5 6 7	ASSY	CODE	
60	F50339-3-2		NUT, SELF-LOCKING, PLATE (15653)	4	*	PAOZZ
	F12090-2-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	4	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
61	74A586387-1034		STIFFENER ASSY (76301)	1		XBOOO
62	74A586387-2042		STIFFENER (76301)	1		XBOZZ
63	F50339-3-1		NUT, SELF-LOCKING, PLATE (15653)	1	*	PAOZZ
	F12090-1-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
64	F50340-3-1		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	F12089-1-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
65	74A586387-1030		STIFFENER ASSY (76301)	1		XBOOO
66	F50339-3-1	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
	F12090-1-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
67	F50340-3-1		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M1)	2	*	PAOZZ
	F12089-1-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M1)	2	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
68	74A586387-2038		STIFFENER (76301)	1		XBOZZ
69	74A586387-1028		BEAM ASSY (76301)	1		XBOOO
70	74A586387-2036		BEAM (76301)	1		XBOZZ
71	F50339-3-4	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4)	2	*	PAOZZ
	F12090-4-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	2	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
72	74A586247-1035		BRACKET ASSY (76301)	1		XBOOO
	NAS673V3		BOLT (AP)	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
73	74A586247-2063		BRACKET (76301)	1		XBOZZ
74	M521060L3		NUT, PLATE	2		PAOZZ
	MS20426AD3 #	•	RIVET (AP)	2		-
75	74A586247-2047	•	DOUBLER (76301)	1		XBOZZ
76	NAS1097AD4 #	•	RIVET (AP)	12		-
77	F50340-3-1	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	F12089-1-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	NAS1097AD3 #	•	RIVET (AP)	2		<u>-</u>
78	F50339-3-1	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M1)	11	*	PAOZZ

Figure 3. Left and Right Web Assemblies (Sheet 13)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	F12090-1-3		NUT, SELF-LOCKING, PLATE (72962)	11	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
79	74A586387-1026		STIFFENER ASSY (76301)	1		XBOOO
80	74A586387-2034		STIFFENER (76301)	1		XBOZZ
81	F50340-3-1		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	F12089-1-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
82	F50339-3-1		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M1)	2	*	PAOZZ
	F12090-1-3	٠	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M1)	2	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
83	NAS1097AD5 #		RIVET	8		-
84	74A586247-2045		DOUBLER	1		XBOZZ
85	NAS1097AD4 #		RIVET (AP)	10		-
86	MS21060L06		NUT, PLATE	4	D	PAOZZ
	MS21060L06		NUT, PLATE	2	E	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
87	74A586247-1059		PANEL ASSY, UPPER (76301)	1		XBOOO
	74A586247-1033		PANEL ASSY, UPPER (76301)	1	*	XBOOO
	74A586247-1055		PANEL ASSEMBLY, UPPER (76301)	1	*	XBOOO
	MS20470AD5 #		RIVET (AP)	27		-
88	74A586247-2113	•	PANEL, UPPER, SIDE (76301)	1		XBOZZ
89	74A586247-2059		DOUBLER (76301)	1		XBOZZ
	MS20470AD5 #		RIVET (AP)	2		-
90	3M1020-6-4		RIVET, SOLID (76301)	3	В	PAOZZ
91	74A586247-2105		PANEL, SIDE (76301) (SUPERSEDES	1		XBOZZ
92	MS20470DD6 #		RIVET (AP)	6		-
93	MS20470AD5 #		RIVET (AP)	AR		-
94	MS20426AD5 #		RIVET (AP)	3		-
95	74A586247-1019		SUPPORT ASSY (76301)	1		XBOOO
96	74A586247-2035		FORMER (76301)	1		XBOZZ
97	F50340-3-4		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M4)	1	*	PAOZZ
	F12089-4-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M4)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
98	F50339-3-2	٠	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2)	4	*	PAOZZ
	F12090-2-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	4	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
99	74A586247-2031		DOUBLER (76301)	1		XBOZZ

Figure 3. Left and Right Web Assemblies (Sheet 14)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	NAS1097AD5 #		RIVET (AP)	8		-
100	F50339-3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2)	3	*	PAOZZ
	F12090-2-3		NUT, SELF-LOCKING, PLATE (72962)	3	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
101	NAS1097AD5 #		RIVET	2		-
102	74A586247-1017		SUPPORT ASSY (76301)	2		XBOOO
103	74A586247-2023		FORMER (76301)	1		XBOZZ
104	74A586247-2025		SUPPORT (76301)	1		XBOZZ
105	F50339-3-2		NUT, SELF-LOCKING, PLATE (15653)	3	*	PAOZZ
	F12090-2-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	3	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
106	74A586247-2013		FORMER (76301)	1		XBOZZ
107	74A586387-1039		SUPPORT ASSY (76301)	1		XBOOO
	MS20470AD5 #		RIVET (AP)	4		-
108	F50339-3-4		NUT, SÈLF-LOCKING, PLATE (15653)	7	*	PAOZZ
	F12090-4-3		NUT, SELF-LOCKING, PLATE (72962)(MCDONNELL SPEC ST3M719C3M4)	7	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
109	74A586387-2051		SUPPORT (76301)	1		XBOZZ
110	74A586387-2053		TEE CLIP (76301)	1		XBOZZ
	MS20470AD5 #		RIVET (AP)	1		-
111	MS20470DD6 #		RIVET (AP)	2		-
112	74A586387-2049		SUPPORT (76301)	1		XBOZZ
	MS20470AD5 #		RIVET (AP)	11		-
	74A586246-2021		SHIM (USE WITH INDEX 112)	AR		MGOZZ
113	74A586387-2061		SUPPORT (76301)	1		XBOZZ
	NAS673V4		BOLT (AP)	4		PAOZZ
	AN960JD10L		WASHER (AP)	4		PAOZZ
114	NAS1097AD5 #		RIVET	2		-
115	74A586387-1103		SUPPORT ASSY (76301) (SUPERSEDES	1		XBOOO
	MS20470DD5 #		RIVET (AP)	14		-
116	F50340-3-4		NUT, SELF-LOCKING, PLATE (15653)	1	*	PAOZZ
	F12089-4-3		NUT, SELF-LOCKING, PLATE (72962)(MCDONNELL SPEC ST3M720C3M4)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
117	F50339-3-4	•	NUT, SÈLF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4)	4	*	PAOZZ
	F12090-4-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	4	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-

Figure 3. Left and Right Web Assemblies (Sheet 15)

INDEX	PART		DESCRIPTION	UNITS PER	USE ON	SM&R
NO.	NUMBER	1	2 3 4 5 6 7	ASSY	CODE	CODE
118	74A586387-2125		SUPPORT (76301) (SUPERSEDES	1		XBOZZ
119	74A586387-2039		SUPPORT (76301)	1		XBOZZ
120	74A586247-1041		BEAM (76301)	1		XBOOO
121	74A586247-2067		BEAM (76301)	1		XBOZZ
122	F50339-3-4		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4)	3	*	PAOZZ
	F12090-4-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	3	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
123	MS20470DD6 #		RIVET (AP)	10		-
124	MS20470DD6 #		RIVET (AP)	12		-
125	74A586247-1053		WEB ASSY (76301)	1	E	XBOOO
	74A586247-1009		SEE ABOVE	1	D	XBOOO
126	74A586247-2095		WEB (76301) (SUPERSEDES	1		XBOZZ
127	74A586247-2043		DOUBLER	1		XBOZZ
128	NAS1097AD4 #		RIVET (AP)	18		-
129	MS21060L06		NUT, PLATE	4		PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
130	NAS1097AD5 #		RIVET	8		-
131	74A586247-2045		DOUBLER (76301)	1		XBOZZ
132	NAS1097AD4#		RIVET (AP)	10		-
133	NAS1097AD4#		RIVET (AP)	13		-
134	74A586247-2047		DOUBLER (76301)	1		XBOZZ
135	F50339-3-1	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M1)	11	*	PAOZZ
	F12090-1-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M1)	11	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
136	F50339-3-1		NUT, SELF-LOCKING, PLATE (15653)	1	*	PAOZZ
	F12090-1-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
137	74A586387-1025	•	SUPPORT ASSY (76301)	1		XBOOO
138	F50340-3-1		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	F12089-1-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
139	F50339-3-1		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M1)	2	*	PAOZZ
	F12090-1-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M1)	2	*	PAOZZ
	NAS1097AD3 #	•	RIVET (AP)	2		-
140	74A586387-2033		STIFFENER (76301)	1		XBOZZ
141	74A586387-1027		BEAM ASSY (76301)	1		XBOOO
142	74A586387-2035	•	BEAM (76301)	1		XBOZZ

Figure 3. Left and Right Web Assemblies (Sheet 16)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
143	F50339-3-4		NUT, SELF-LOCKING, PLATE (15653)	2	*	PAOZZ
	F12090-4-3		NUT, SELF-LOCKING, PLATE (72962)	2	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
144	74A586387-1029		STIFFENER ASSY (76301)	1		XBOOO
145	74A586387-2037		STIFFENER (76301)	1		XBOZZ
146	F50340-3-1		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M1)	2	*	PAOZZ
	F12089-1-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M1)	2	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
147	F50339-3-1		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
	F12090-1-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
148	74A586387-1033		STIFFENER ASSY (76301)	1		XBOOO
149	F50340-3-1		NU,. SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	F12089-1-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M1)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
150	F50339-3-1		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
	F12090-1-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M1)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
151	74A586387-2041		STIFFENER (76301)	1		XBOZZ
152	74A586387-1037		SUPPORT ASSY (76301)	1	D	XBOOO
	74A586387-1101		SUPPORT ASSY (76301)	1	E	XBOOO
153	74A586387-2045		SUPPORT (76301)	1	D	XBOZZ
	74A586387-2123		SUPPORT (76301)	1	E	XBOZZ
154	F50339-3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2)	4	*	PAOZZ
	F12090-2-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	4	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
155	F50340-3-2	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M2)	1	*	PAOZZ
	F12089-2-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M2)	1	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
156	MS21060L06		NUT, PLATE	2	E	PAOZZ

Figure 3. Left and Right Web Assemblies (Sheet 17)

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INDEX NO. PART DESCRIPTION ON CODE SM&R CODE
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- # LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.
- * ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

CODE	USABLE ON	MODEL
A	161924 & UP; ALSO 161353 THRU 161761 AFTER F/A-18 AFC 53	F/A-18A/B
В	161934 THRU 161987	F/A-18A/B
C	161716 THRU 161761	F/A-18A/B
D	161716 THRU 161944	F/A-18A/B
Е	161945 & UP: ALSO 161353 THRU 161944 AFTER F/A-18 AFC 53	F/A-18A/B

Figure 3. Left and Right Web Assemblies (Sheet 18)

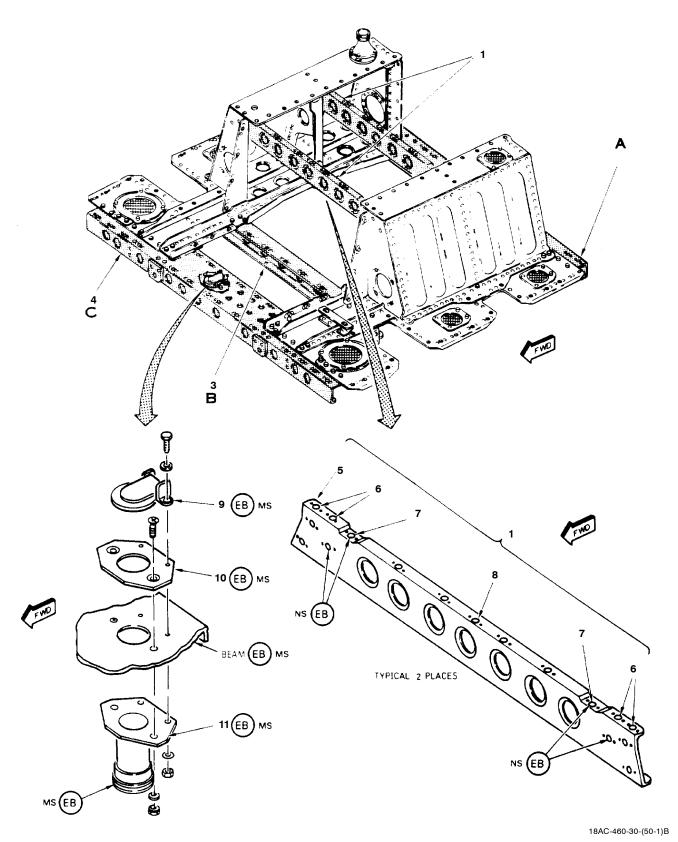


Figure 4. Upper and Lower Support Assemblies (Sheet 1)

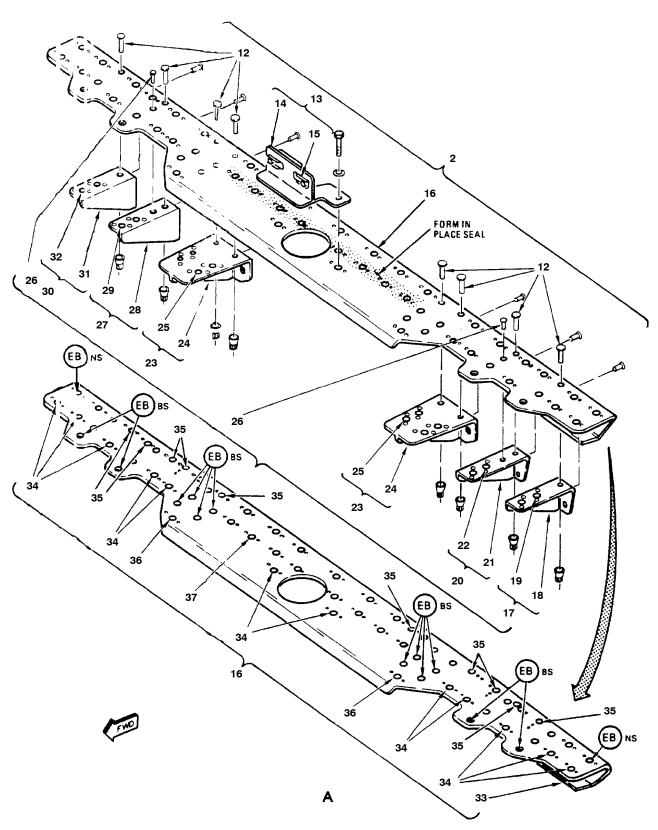


Figure 4. Upper and Lower Support Assemblies (Sheet 2)

18AC-460-30-(50-2)D

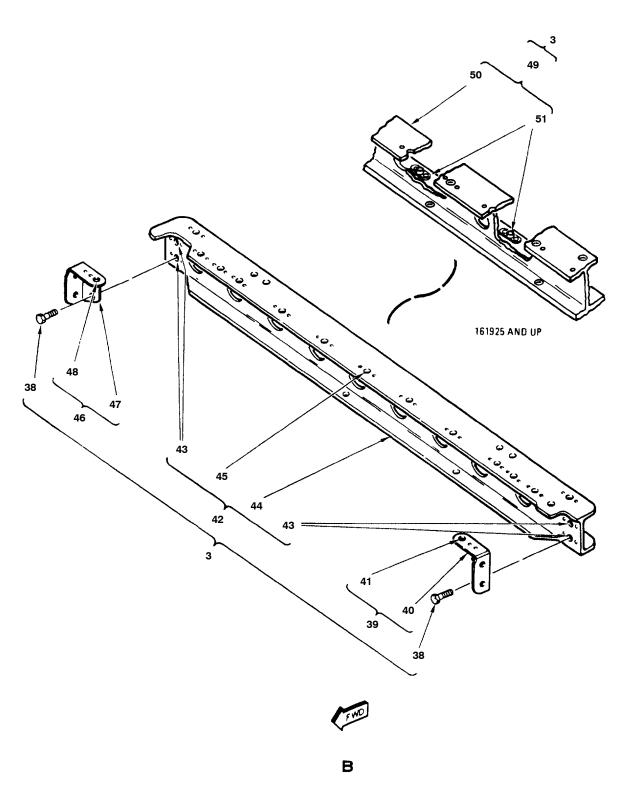
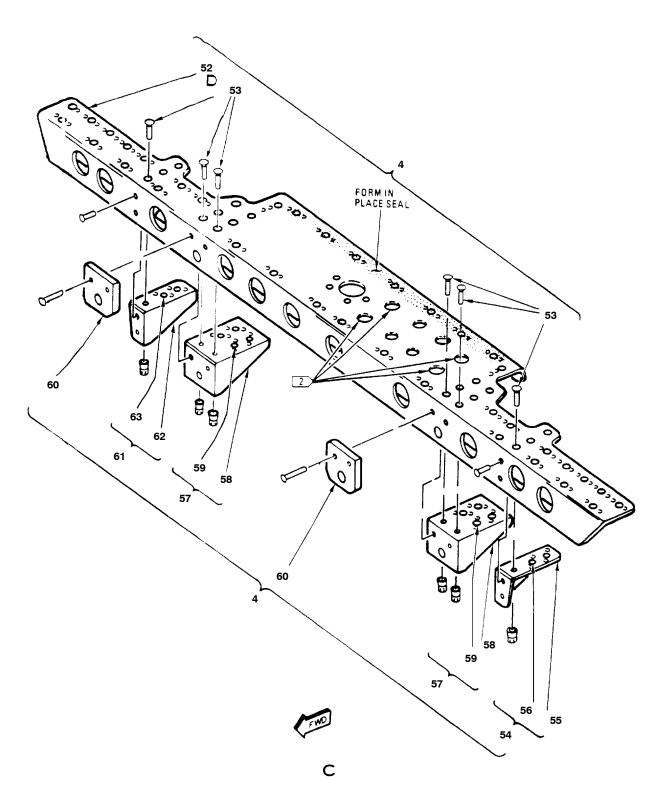


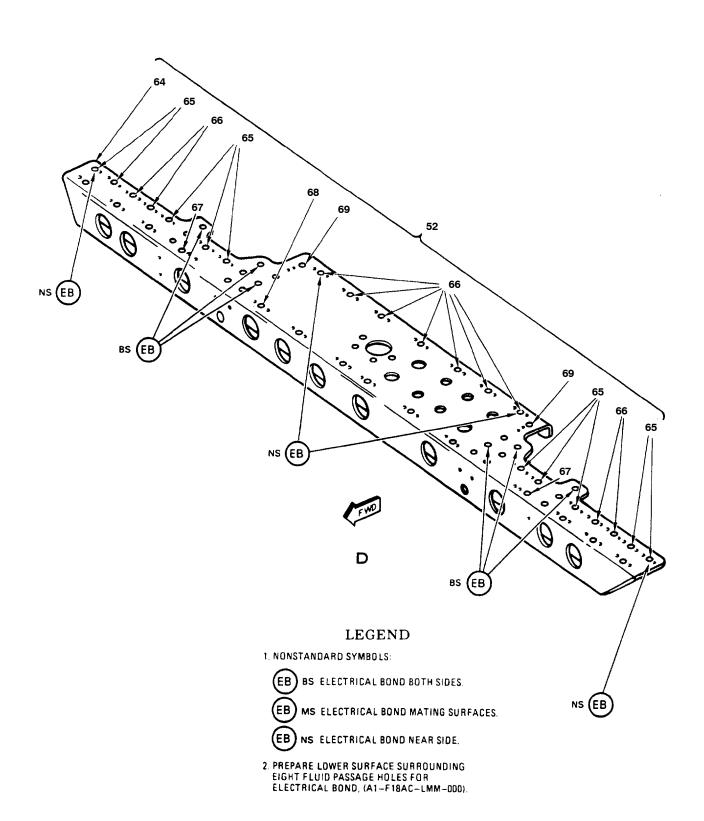
Figure 4. Upper and Lower Support Assemblies (Sheet 3)

18AC-460-30-(50-3)



18AC-460-30-(50-4)C

Figure 4. Upper and Lower Support Assemblies (Sheet 4)



18AC-460-30-(50-5)C

Figure 4. Upper and Lower Support Assemblies (Sheet 5)

	1		I		
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		UPPER AND LOWER SUPPORTASSEMBLIES			
1	74A586247-1003	. BEAM ASSY, (SUPPORT ASSY) (76301)	2		XBOOO
2	74A586246-2001	. BEAM ASSY, AFT (76301)	1		XBOOO
3	74A586246-2005	. BEAM ASSY, CENTER (76301)	1	A	XBOOO
	74A586246-2015	. BEAM ASSY, CENTER (76301)	1	В	XBOOO
4	74A586246-2003	. BEAM ASSY, FWD (76301)	1		XBOOO
5	74A586247-2007	. BEAM, UPPER (SUPPORT) (76301)	2		XBOZZ
6	F50339-3-4	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4)	4	*	PAOZZ
	F12090-4-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	4	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
	NAS463XD10M	. SHIM (ONE UNDER EACH NUT PLATE)(USE WITH INDEX 6)	4		PAOZZ
7	F50339-3-1	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M1)	2	*	PAOZZ
	F12090-1-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M1)	2	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
8	F50339-3-2	. NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2)	11	*	PAOZZ
	F12090-2-3	. NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	11	*	PAOZZ
	NAS1097AD3 #	. RIVET (AP)	2		-
9	55-6004	. VALVE, CHECK, FUEL SYSTEM,	1	*	PAOZZ
	20C112-109	. SEE ABOVE (82829)	1	*	PAOZZ
	NAS1802-06-8	. SCREW (AP)	2		PAOZZ
	AN960JD6L	. WASHER (AP)	4		PAOZZ
	NAS1291C06M	. NUT (AP)	2		PAOZZ
10	74A586248-2011	. PLATE (76301)	1		XBOZZ
	NAS663V3HT	. SCREW (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	NAS1291C3M	. NUT (AP)	2		PAOZZ
11	74A586202-2003	. ADAPTER, TUBE - SCAVENGE, TANK NO. 2 (76301)	1		XBOZZ
12	HLT311-5-2	PIN-RIVET, THREADED (06725)(MCDONNELL SPEC ST3M758V08L2)	8	*	PAOZZ
	AIC-L-758V08L2	. SEE ABOVE (06725)	8	*	PAOZZ
	SW1000-5M	COLLAR, PIN-RIVET, THREADED(73197) (MCDONNELL SPEC ST3M526C08M) (USE WITH INDEX 12)	8		PAOZZ
13	74A586387-1065	. BRACKET ASSY (76301)	1		XBOOO
	NAS673V10	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
14	74A586387-2081	BRACKET (76301)	1		XBOZZ
15	MS21062L3	. NUT, PLATE	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
16	74A586247-1005	. BEAM ASSY (76301)	1		XBOOO

Figure 4. Upper and Lower Support Assemblies (Sheet 6)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
17	74A586318-1003		SUPPORT ASSY, FITTING - BAFFLE,	1		XBOOO
	BRFZ6E #		RIVET, SOLID (55580) (AP)	2		-
18	74A586318-2003		FITTING (76301)	1		XBOZZ
19	F49249E3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M443-3A2)	2	*	PAOZZ
	F18421L2-3		SEE ABOVE (72962)	2	*	PAOZZ
	NS202041-02-2		SEE ABOVE (80539)	2	*	PAOZZ
	BFN443-3-2		SEE ABOVE (27238)	2	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
20	74A586318-1001		SUPPORT ASSY, FITTING - BAFFLE,	1		XBOOO
	BRFZ6E#		RIVET, SOLID (AP) (55580)	2		-
21	74A586318-2001		FITTING (76301)	1		XBOZZ
22	F49249E3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M443-3A2)	2	*	PAOZZ
	F18421L2-3		SEE ABOVE (72962)	2	*	PAOZZ
	NS202041-02-2		SEE ABOVE (80539)	2	*	PAOZZ
	BFN443-3-2		SEE ABOVE (27238)	2	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
23	74A586386-1001		SUPPORT ASSY, BAFFLE, FUEL TANK NO. 2 & 3 (76301)	2		XBOOO
	BRFZ5E#		RIVET, SOLID (AP) (MCDONNELL	4		-
24	74A586386-2001		FITTING (76301)	1		XBOZZ
25	F49249E3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M443-3A2)	4	*	PAOZZ
	F18421L2-3		SEE ABOVE (72962)	4	*	PAOZZ
	NS202041-02-2		SEE ABOVE (80539)	4	*	PAOZZ
	BPN443-3-2		SEE ABOVE (27238)	4	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
26	BRFZ5E#	٠	RIVET, SOLID (AP) (55580)	2		-
27	74A586318-1002		SUPPORT ASSY, FITTING - BAFFLE, FUEL TANK NO. 2 & 3 (76301)	1		XBOOO
	BRFZ5E#		RIVET, SOLID (AP) (55580)	2		-
28	74A586318-2002		FITTING (76301)	1		XBOZZ
29	F49249E3-2	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M443-3A2)	2	*	PAOZZ
	F18421L2-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	2	*	PAOZZ
	NS202041-02-2		SEE ABOVE (80539)	2	*	PAOZZ
	BFN443-3-2		SEE ABOVE (80539)	2	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
30	74A586318-1004		SUPPORT ASSY, FITTING - BAFFLE,	1		XBOOO
	BRFZ6E#		RIVET, SOLID (AP) (55580)	2		-
31	74A586318-2004		FITTING (76301)	1		XBOZZ

Figure 4. Upper and Lower Support Assemblies (Sheet 7)

INDEX	PART			UNITS	USE	SM&R
NO.	NUMBER	1	DESCRIPTION 2 3 4 5 6 7	PER ASSY	ON CODE	CODE
32	F49249E3-2		NUT, SELF-LOCKING, PLATE (15653)	2	*	PAOZZ
	F18421L2-3		SEE ABOVE (72962)	2	*	PAOZZ
	NS202041-02-2		SEE ABOVE (80539)	2	*	PAOZZ
	BFN443-3-2		SEE ABOVE (27238)	2	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
33	74A586247-2137	•	BEAM (76301) (SUPERSEDES	1		XBOZZ
34	F50339-3-4	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4)	12	*	PAOZZ
	F12090-4-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	12	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
35	F50340-3-1	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M1)	10	*	PAOZZ
	F12089-1-3		SEE ABOVE (72962)	10	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
36	F50339-3-2	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2)	2	*	PAOZZ
	F12090-2-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	2	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
37	F50339-3-1	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M1)	17	*	PAOZZ
	F12090-1-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M1)	17	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
38	NAS673V4		BOLT	4		PAOZZ
39	74A586208-1003		BRACKET ASSY, BAFFLE - FUEL TANK INVERTED FLIGHT (76301)	1		XBOOO
40	74A586208-2005		BRACKET (76301)	1		XBOZZ
41	F50340-3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M2)	1	*	PAOZZ
	F12089-2-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M2)	1	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
42	74A586387-1035		SUPPORT ASSY (76301)	1	Α	XBOOO
43	F50339-3-4	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M4)	4	*	PAOZZ
	F12090-4-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M4)	4	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
44	74A586387-2043		BEAM (76301)	1	A	XBOZZ
45	F50339-3-2	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2)	13	*	PAOZZ
	F12090-2-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	13	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
46	74A586208-1004		BRACKET ASSY, BAFFLE - FUEL TANK INVERTED FLIGHT (76301)	1		XBOOO
47	74A586208-2006		BRACKET (76301)	1		XBOZZ

Figure 4. Upper and Lower Support Assemblies (Sheet 8)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
48	F50340-3-2		NUT, SELF-LOCKING, PLATE (15653)	1	*	PAOZZ
	F12089-2-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M2)	1	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
49	74A586387-1107		SUPPORT ASSY (76301)	1	В	XBOOO
50	74A586387-2133		BEAM (76301)	1	В	XBOZZ
51	F50339-3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2)	2	B*	PAOZZ
	F12090-2-3	•	NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M719C3M2)	2	B*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
52	74A586247-1001		BEAM ASSY (76301)	1		XBOOO
53	AIC-L-758V08L2	•	PIN-RIVET, THREADED (06725) (MCDONNELL SPEC ST3M758V08L2)	6	*	PAOZZ
	HLT311-5-2		SEE ABOVE	6	*	PAOZZ
	SW1000-5M		COLLAR, PIN-RIVET, THREADED(73197) (MCDONNELL SPEC ST3M526C08M) (USE WITH INDEX 53)	6		PAOZZ
54	74A586318-1005	•	SUPPORT ASSY, FITTING - BAFFLE, FUEL TANK NO. 2 & 3 (76301)	1		XBOOO
	MS14218E6#		RIVET (AP)	2		-
55	74A586318-2005		FITTING (76301)	1		XBOZZ
56	F49249E3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M443-3A2)	2	*	PAOZZ
	F18421L2-3		SEE ABOVE (72962)	2	*	PAOZZ
	NS202041-02-2		SEE ABOVE (80539)	2	*	PAOZZ
	BFN443-3-2		SEE ABOVE (27238)	2	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
57	74A586302-1003		SUPPORT ASSY, FITTING - BAFFLE,	2		XBOOO
	MS14218E5 #		RIVET (AP)	2		-
58	74A586302-2003		FITTING (76301)	1		XBOZZ
59	F49249E3-2	•	NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M443-3A2)	4	*	PAOZZ
	F18421L2-3		SEE ABOVE (72962)	4	*	PAOZZ
	NS202041-02-2		SEE ABOVE (80539)	4	*	PAOZZ
	BFN443-3-2		SEE ABOVE (27238)	4	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
60	74A586387-2065		SPACER (76301)	2		XBOZZ
	BRFZ6E	•	RIVET (55580) (MCDONNELL SPEC	2		-
61	74A586318-1006	•	SUPPORT ASSY, FITTING - BAFFLE, FUEL TANK NO. 2 & 3 (76301)	1		XBOOO
	MS14218E5#		RIVET (AP)	2		-
62	74A586318-2006		FITTING (76301)	1		XBOZZ
63	F49249E3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M443-3A2)	2	*	PAOZZ
	F18421L2-3		SEE ABOVE (72962)	2	*	PAOZZ
	NS202041-02-2		SEE ABOVE (80539)	2	*	PAOZZ
	BFN443-3-2		SEE ABOVE (27238)	2	*	PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-

Figure 4. Upper and Lower Support Assemblies (Sheet 9)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
64	74A586247-2001		BEAM (76301)	1		XBOZZ
65	F50339-3-4		NUT, SELF-LOCKING, PLATE (15653)	10	*	PAOZZ
	F12090-4-3		NUT, SELF-LOCKING, PLATE (72962)	10	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
66	F50339-3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M719C3M2)	11	*	PAOZZ
	F12090-2-3		NUT, SELF-LOCKING, PLATE (72952) (MCDONNELL SPEC ST3M719C3M2)	11	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
67	F50340-3-1		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M1)	2	*	PAOZZ
	F12089-1-3		SEE ABOVE (72962)	2	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
68	F50339-3-1		NUT, SELF-LOCKING, PLATE (15653)(MCDONNELL SPEC ST3M719C3M1)	12	*	PAOZZ
	F12090-1-3		NUT, SELF-LOCKING, PLATE (72962)(MCDONNELL SPEC ST3M719C3M1)	12	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-
69	F50340-3-2		NUT, SELF-LOCKING, PLATE (15653) (MCDONNELL SPEC ST3M720C3M2)	2	*	PAOZZ
	F12089-2-3		NUT, SELF-LOCKING, PLATE (72962) (MCDONNELL SPEC ST3M720C3M2)	2	*	PAOZZ
	NAS1097AD3 #		RIVET (AP)	2		-

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

[#] LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

CODE	USABLE ON	MODEL
A	161716 THRU 161924	F/A-18A/B
В	161925 & UP; ALSO 161353 TURN 161924 AFTER F/A-18 AFC 53	F/A-18A/B

Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

IPB - NO. 2 FUEL TANK (5CAP509)

FUEL STORAGE SYSTEM

EFFECTIVITY: 161353 THRU 161715 AFTER F/A-18 AFC 18, F/A-18 AFC 53 AND F/A-18 AFC 39

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP	Date Incorp.	Remarks
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/Sealing of Raised Baffle in Fuel Tanks 2 and 3 (ECP MDA-F/A-18-00077C1/C2)	15 Jul 86	-
F/A-18 AFC 24	4 Mar 83	Replacement of All ST7M404/7M550 Clam Shell Couplings with Improved 7765 Fuel Couplings (ECP MDA-F/A-18-00143)	1 Mar 83	-
F/A-18 IAFC 017 Part 1 and Part 2	19 Jul 84	Fuel System Tank No. 4 Fuel Transfer Manifold; Modification of (ECP MDA-F/A-18-00084R1)	1 Jun 84	-
F/A-18 AFC 53	-	Elimination of Tanks 1 and 4 Sneak Circuit, Tank 4 Motive Flow Shut Off Valve, and Raised Inverted Baffle (ECP MDA- F/A-18-00055/C1)	15 Jul 86	-
F/A-18 AFC 39	-	No. 1 Fuel Tank Interconnect Valve Replacement and Fuel Sequencing; Modification of 33(ECP MDA-F/A-18-00072/C1)	1 Oct 87	-

1. ILLUSTRATED PARTS BREAKDOWN.

- 2. Removal procedure for No. 2 Fuel Tank is in WP018 03. Index numbers in this WP match those in WP018 03.
- 3. Installation procedure for No. 2 Fuel Tank is in WP019 03. Index numbers in this WP match those in WP019 03.
- 4. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

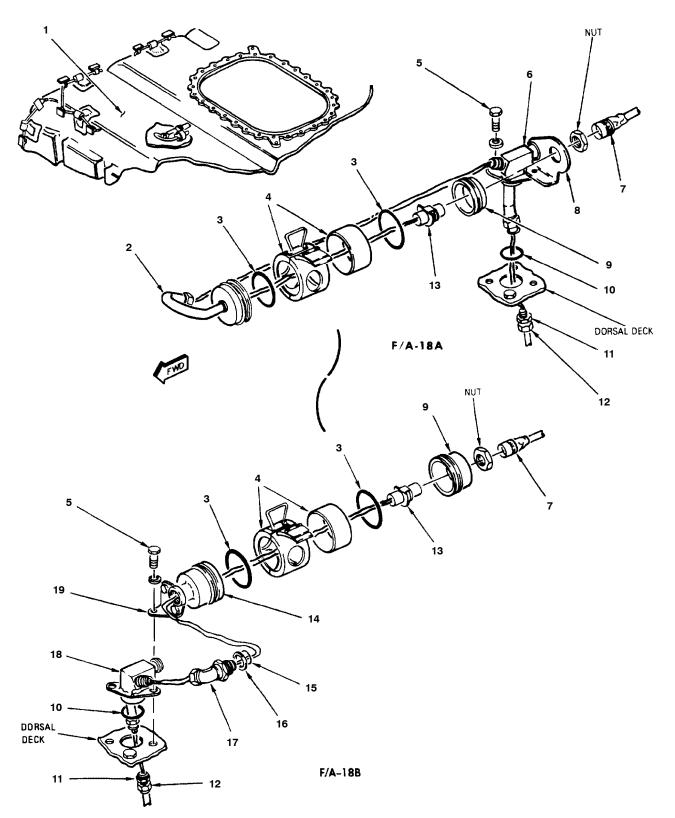


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 1)

18AC-460-30-(89-1)16

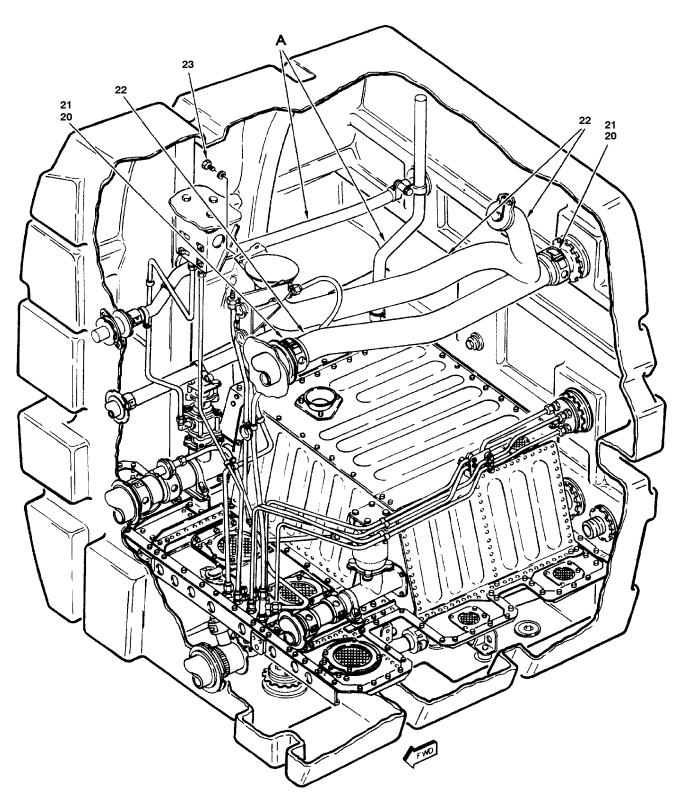
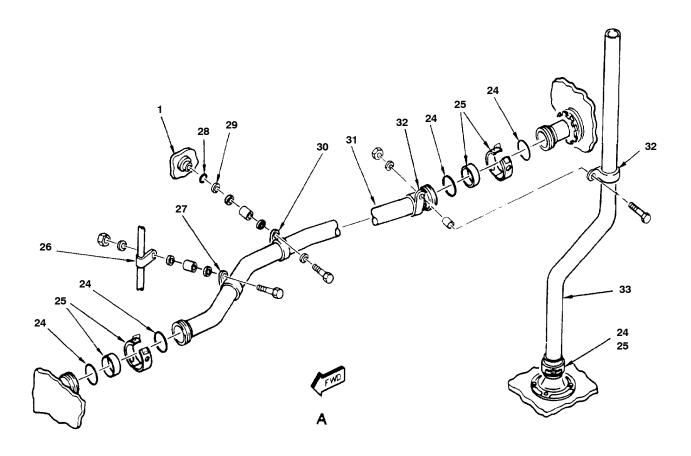


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 2)

18AC-460-30-(89-2)



18AC-460-30-(89-3)

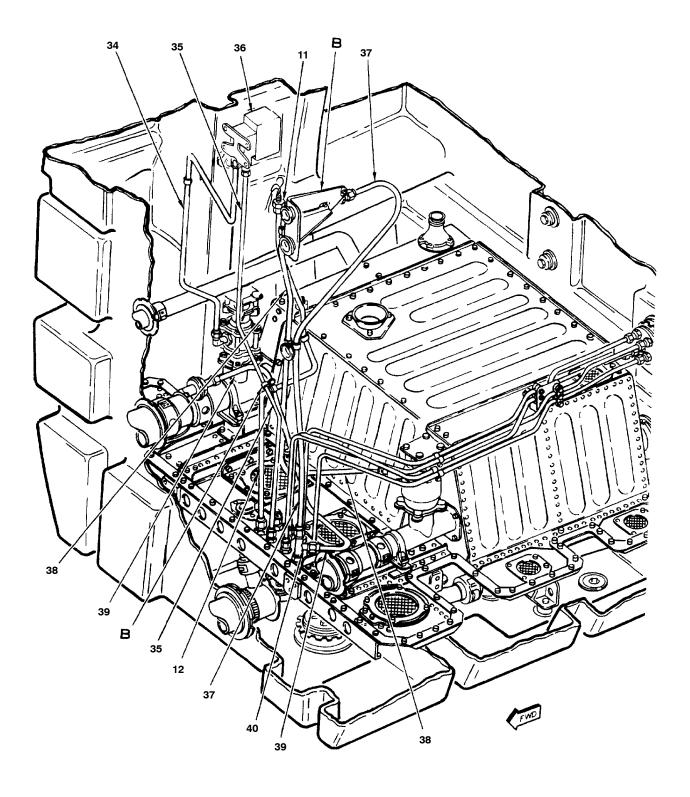


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 4)

18AC-460-30-(89-4)

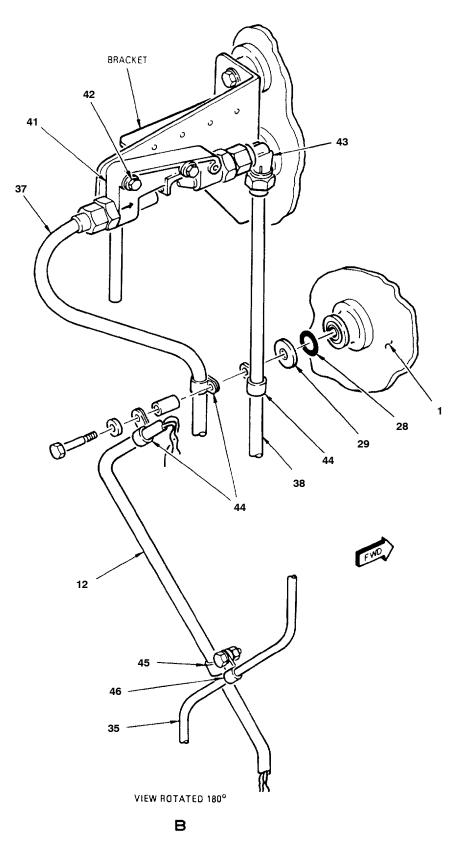


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 5)

18AC-460-30-(89-5)A

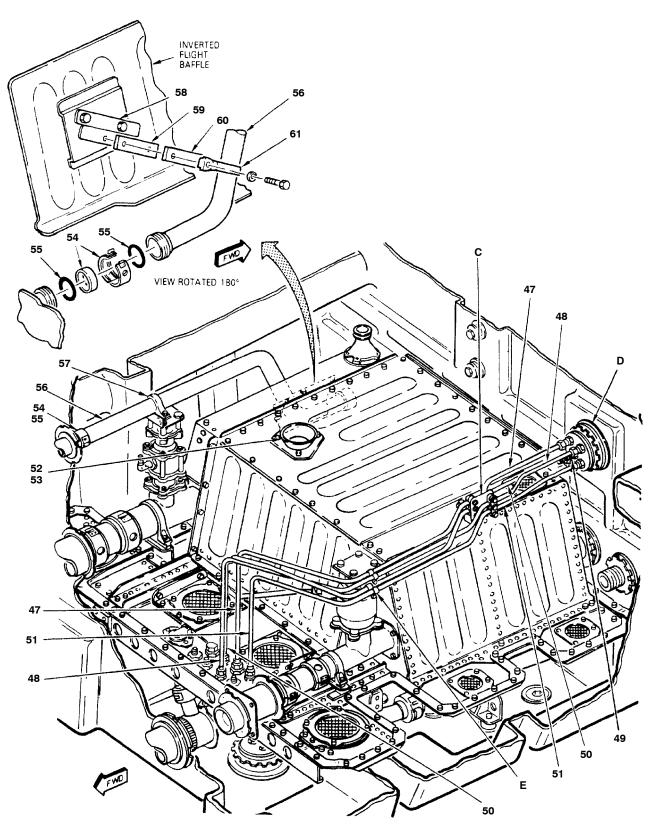
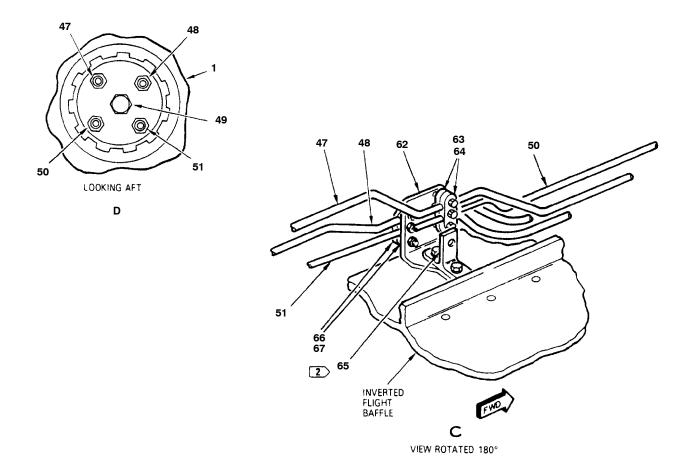


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 6)

18AC-460-30-(89-6)



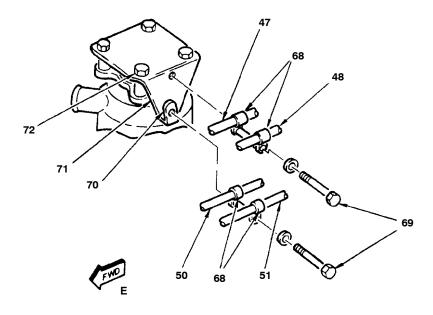


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 7)

18AC-460-30-(89-7)

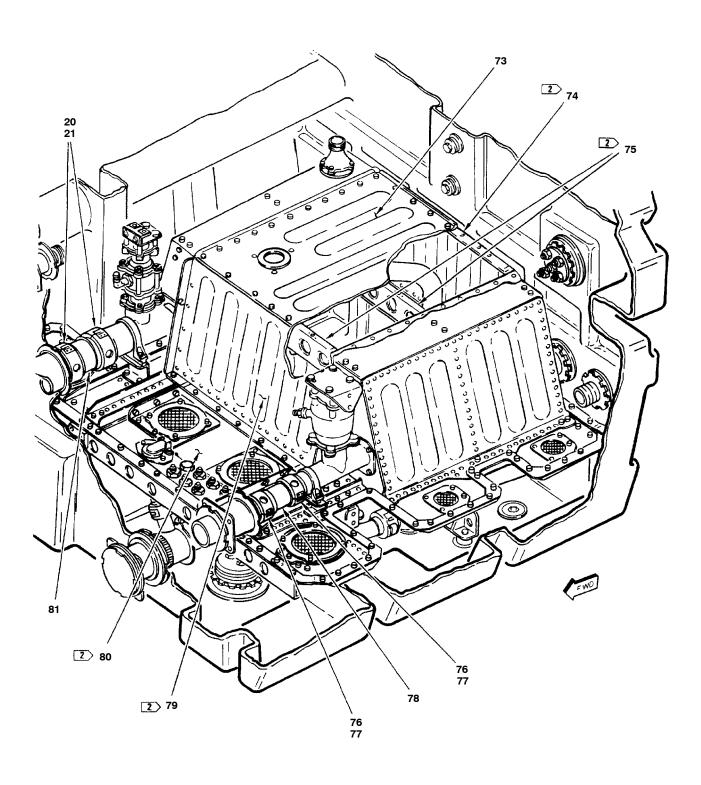


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 8)

18AC-460-30-(89-8)

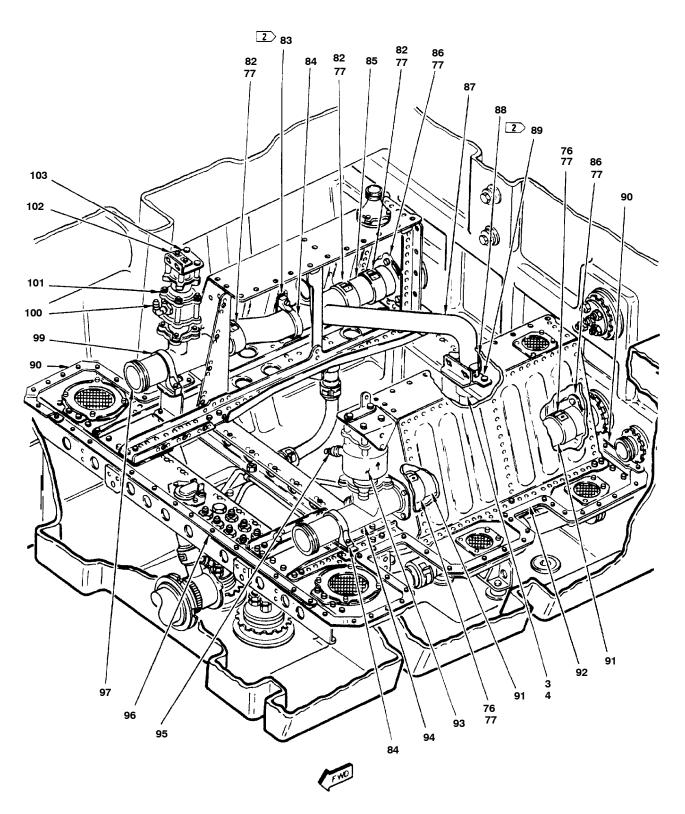


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 9)

18AC-460-30-(89-9)

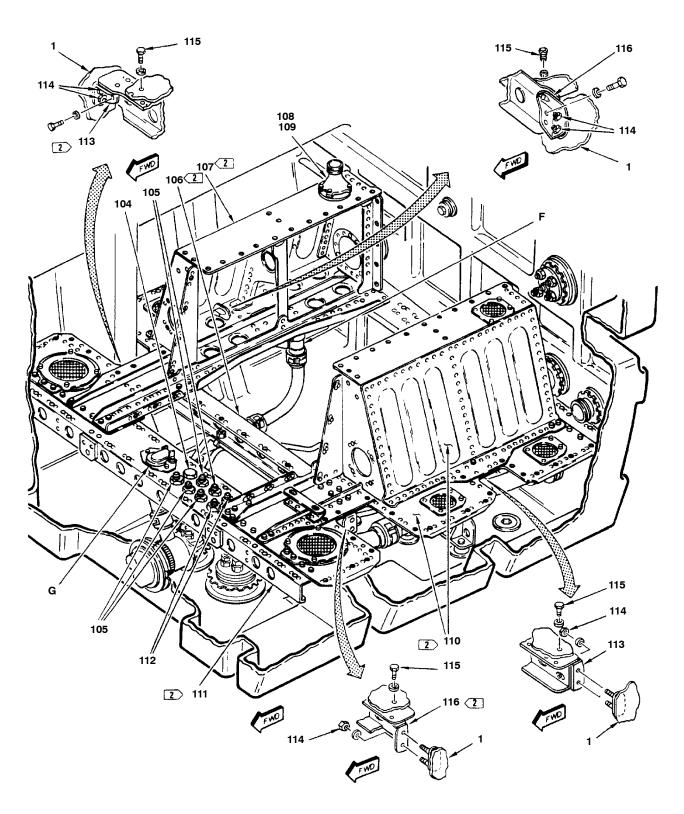


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 10)

18AC-460-30-(89-10)

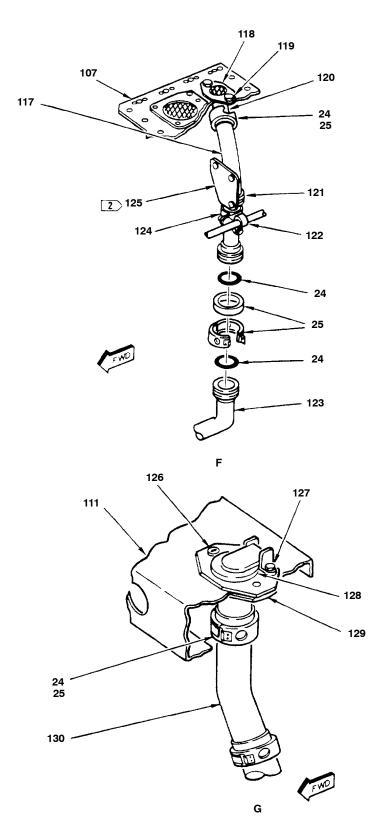


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 11)

18AC-460-30-(89-11)A

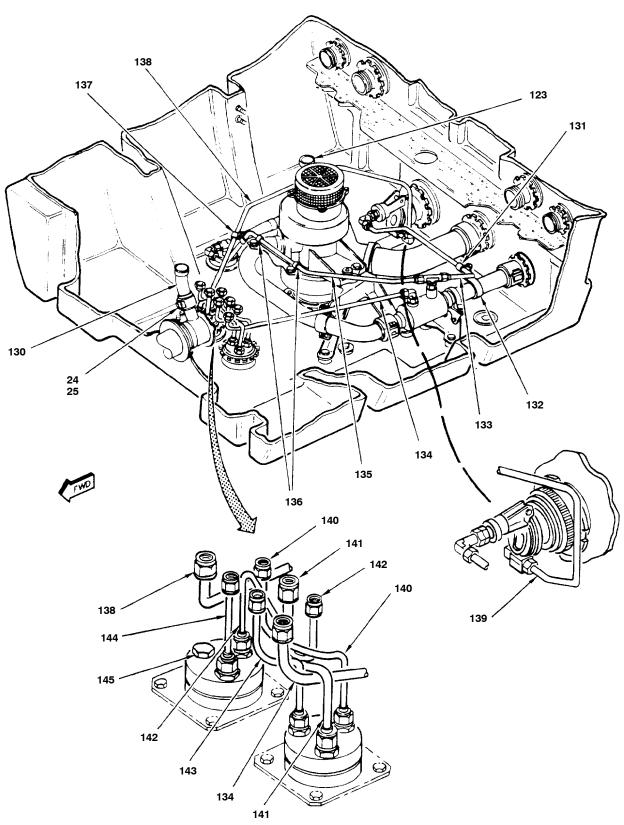


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 12)

18AC-460-30-(89-12)A

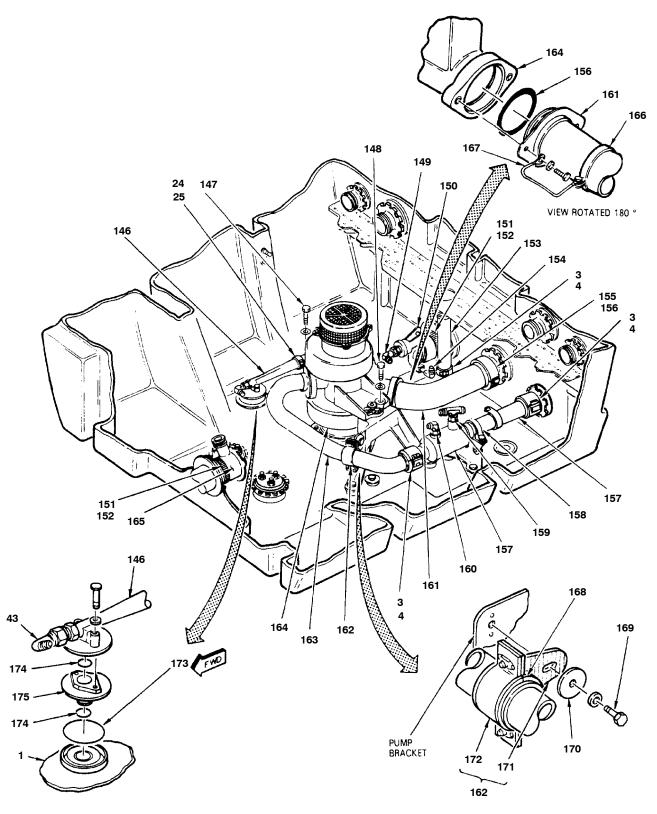


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 13)

18AC-460-30-(89-13)A

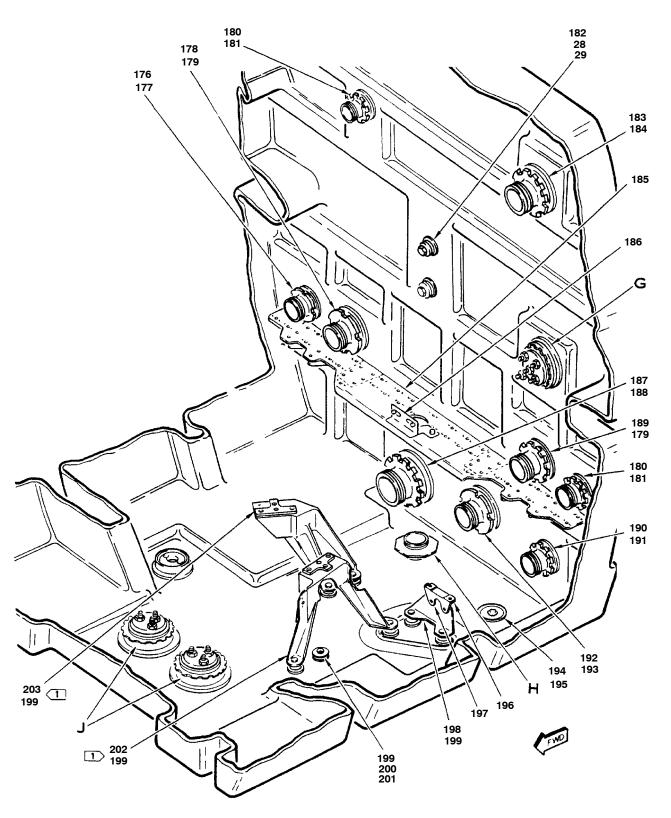
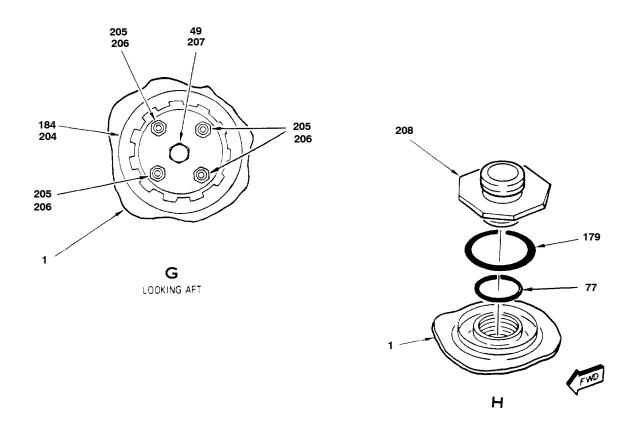


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 14)

18AC-460-30-(89-14)



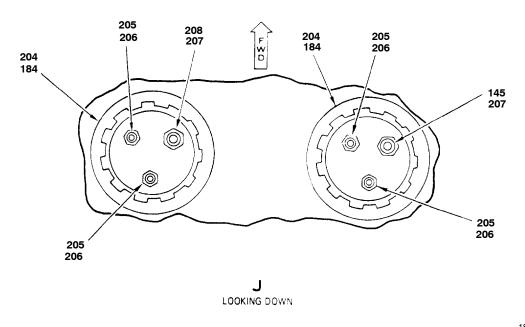


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 15)

18AC-460-30-(89-15)

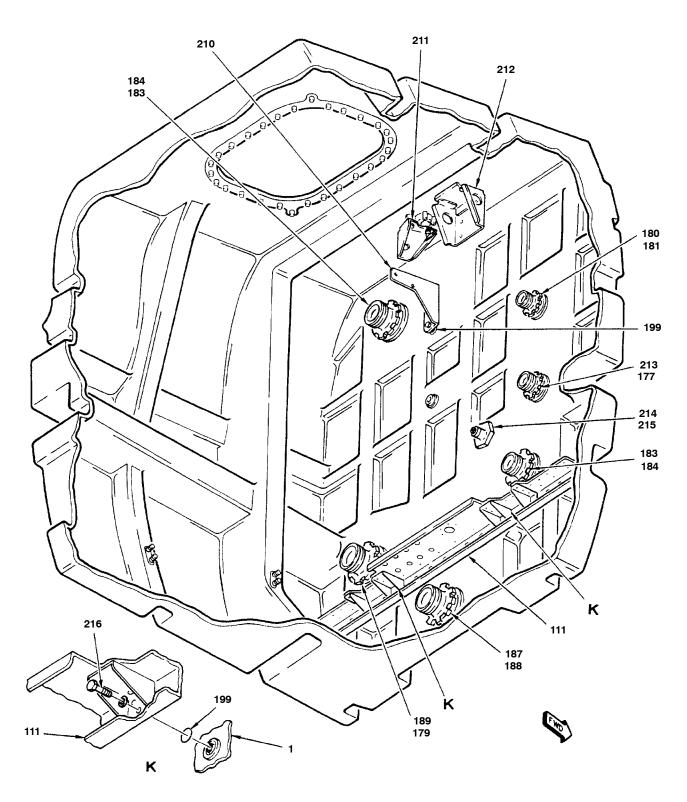


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 16)

18AC-460-30-(89-16)A

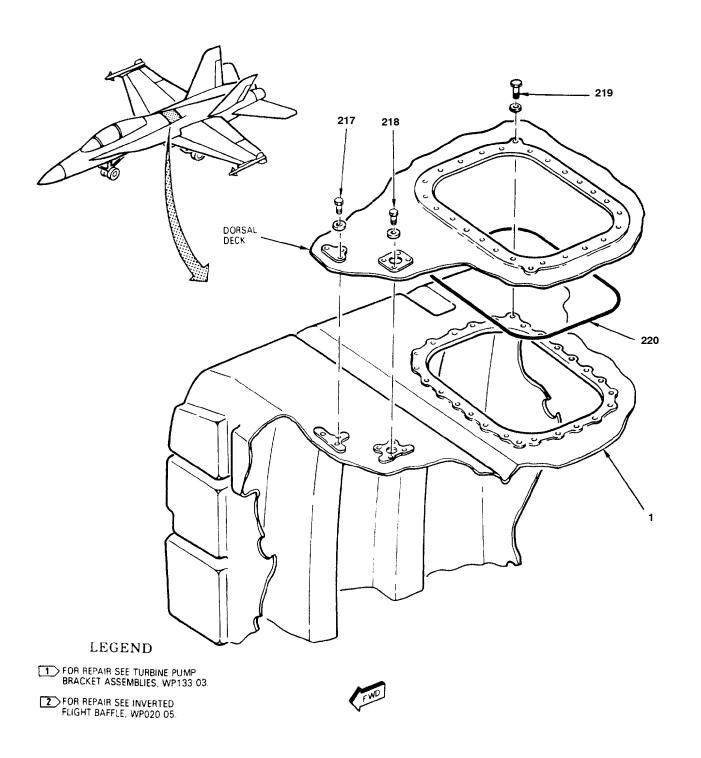


Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 17)

18AC-460-30-(89-17)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER	USE ON	SM&R CODE
.,,	HOMBEIT	1 2 3 4 5 6 7	ASSY	CODE	CODE
		NO. 2 FUEL TANK (5CAP509)(PARTS KIT AVAILABLE)			
1	62002-5 ¢	TANK, FUEL AIRCRAFT - FUSELAGE BLADDER TYPE - NUMBER 2 (NO. 2 FUEL TANK) (05476) (MCDONNELL SPEC 74-580162-215) (5CAP509)	1	*	PAODD
	FCR-63257 ¢	TANK, FUEL AIRCRAFT - FUSELAGE	1	*	PAODD
2	74A586694-1001	. ADAPTER - JUNCTION BOX, ELECTRICAL, FUEL SYS (TUBE) (76301)	1	A	XBOZZ
3	MS29513-222	. PACKING	11		PAOZZ
4	W901K24DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	5		PAOZZ
	14J12-24A	. COUPLING, CLAM, GROOVED (24984) (MCDONNELL SPEC 7M765-24D) (INCLUDES SLEEVE)	5		PAOZZ
	W901F24DE	. COUPLING, CLAM, GROOVED (79326) (MCDONNELL SPEC 7M550-24D) (INCLUDES SLEEVE)	5	*	PAOZZ
5	NAS674V5	. BOLT	3		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 5)	3		PAOZZ
6	74A586255-1005	. ELBOW, TUBE - 0.50 IN. LINE, VENT FUEL SYSTEM (76301)	1	Α	XBOZZ
7	MS27467T11B35S	. CONNECTOR, PLUG (5P-P137)	1		PAOZZ
8	74A586244-2093	BRACKET (76301)	1	Α	XBOZZ
9	74A586694-2003	. ADAPTER - JUNCTION BOX, ELECTRICAL, FUEL SYS (76301)	1		XBOZZ
10	MS29513-117	. PACKING	1		PAOZZ
11	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
12	74A586681-1005	TUBE ASSEMBLY, METAL - G FEED POSITION SIGNAL, TANK NO. 2 (76301) (SUPERSEDES 74A586681-1005)	1		MGOZZ
13	KJL7YC103451-3	. CONNECTOR, RECEPTACLE (71468) (MCDONNELL SPEC 5M1701-11D35PN) (INCLUDES NUT) (5J-P137)	1		PAOZZ
14	74A586612-2001	. ADAPTER - ELECTRICAL JUNCTION BOX NO. 2 FUEL TANK (76301)	1	В	XBOZZ
15	MS29512-06	. PACKING	1	В	PAOZZ
16	MS28773-06	. RETAINER	1	В	PAOZZ
17	ST7M263DA6	. ELBOW (76301)	1	В	PAOZZ
	AN6289D6	. NUT (USE WITH INDEX 13D)	1	В	PAOZZ
18	74A586255-1011	. ELBOW, TUBE - 0.50 IN. LINE VENT FUEL SYSTEM (76301) (SUPERSEDES 74A586255-1007 AND 74A586255-1003)	1	В	PAOZZ
19	74A586244-2065	. BRACKET (76301)	1	В	XBOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 18)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		1.2.3.0.0.1	7001	OODL	
20	W901K40DE	. COUPLING, CLAMP, GROOVED (79326)	4		PAOZZ
	14J12-40A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	4		PAOZZ
	W901F40DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-40D) (INCLUDES SLEEVE)	4	*	PAOZZ
21	MS29513-230	. PACKING	8		PAOZZ
22	74A586259-1011	. VENT ASSEMBLY FUEL TANK NO. 2 (NO. 2 FUEL TANK DIVE VENT CHECK VALVE) (76301) (5VAP593)	1		PAOZZ
	74A585002-1009	. SEE ABOVE	1	*	PAOZZ
	74A585002-2001	. SEE ABOVE	1	*	PAOZZ
23	NAS674V3	. BOLT (AP)	1		PAOZZ
	AN960JD416L	. WASHER (AP)	1		PAOZZ
24	MS29513-214	. PACKING	14		PAOZZ
25	W901K16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	7		PAOZZ
	14J12-16A	COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-16D) (INCLUDES SLEEVE)	7		PAOZZ
	W901F16DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-16D) (INCLUDES SLEEVE)	7	*	PAOZZ
26	MS25281-R6	. CLAMP	1		PAOZZ
27	MS25281-R16	. CLAMP	1		PAOZZ
	NAS673V25	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	4		PAOZZ
	NAS43DD3-68	. SPACER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
28	M25988/1-312	. PACKING	4		PAOZZ
29	74A586244-2005	. WASHER (RETAINER) (76301)	4		PAOZZ
30	MS25281-R16	. CLAMP	1		PAOZZ
	NAS673V12	BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP) (BETWEEN CLAMP AND	2		PAOZZ
	NAS43DD3-32	. SPACER (AP) (BETWEEN CLAMP AND	1		PAOZZ
31	74A586271-1007	. TUBE ASSEMBLY, METAL - WING	1		XBOZZ
32	MS25281-R16	. CLAMP	2		PAOZZ
	NAS673V4	. BOLT (AP)	1		PAOZZ
	NAS43DD3-20	. SPACER (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
33	74A586252-1007	. TUBE ASSEMBLY, METAL - VENT,	1		MGOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 19)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		'		7.001		
34	74A586250-1009	•	TUBE ASSEMBLY, METAL - FLOAT V	1		XBOZZ
35	74A586821-1015		TUBE ASSEMBLY, METAL	1		MGOZZ
36	2800095-101		VALVE, FLOAT, AIRCRAFT - PILOT REFUEL LEVEL (HIGH LEVEL PILOT VALVE) (92003) (MCDONNELL SPEC 74-580108-221) (5VAP594)	1		PAOZZ
	2800018-101		SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS674V3		BOLT (AP)	4		PAOZZ
	AN960JD416L		WASHER (AP)	4		PAOZZ
	7M637BD-4D		NIPPLE (76301) (USE WITH INDEX 36)	1		PAOZZ
	MS29512-04		PACKING (USE WITH INDEX 36)	1		PAOZZ
	7M637BD-6D		NIPPLE (76301) (USE WITH INDEX 36)	1		PAOZZ
	MS29512-06		PACKING (USE WITH INDEX 36)	1		PAOZZ
37	74A586243-1003		TUBE ASSEMBLY, METAL - JET LVL SENSOR, FUEL TK NO. 2 (76301)	1		XBOZZ
38	74A586245-1005		TUBE ASSEMBLY, METAL - JET LEVEL SENSOR, TK NO. 2 (76301)	1		AGOGG
39	74A586299-1005		TUBE ASSEMBLY, METAL - SCAV MF,	1		MGOZZ
40	7M151V6		TEE (76301)	1		PAOZZ
41	2760009-105		SENSOR, FUEL LEVEL JET OPERATED (TANK 2) (NO. 2 FUEL TANK FUEL LEVEL SENSOR) (92003) (MCDONNELL SPEC 74-580123-105) (5VAP595)	1		PAOZZ
42	NAS673V16		BOLT	2		PAOZZ
	AN960JD10		WASHER (USE WITH INDEX 42)	2		PAOZZ
	AN960JD10		WASHER (BETWEEN SENSOR AND	2		PAOZZ
43	7M148V6		ELBOW (76301)	2		PAOZZ
44	MS25281-R6		CLAMP	3		PAOZZ
	NAS673V22		BOLT (AP)	1		PAOZZ
	AN960JD416L		WASHER (AP)	1		PAOZZ
	NAS43DD3-64		SPACER (AP)	1		PAOZZ
45	MS25281-R6		CLAMP	1		PAOZZ
46	MS25281-R4		CLAMP	1		PAOZZ
	NAS673V4		BOLT (AP)	1		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
	NAS1291C3M		NUT (AP)	1		PAOZZ
47	74A586810-1013	•	TUBE ASSEMBLY, METAL	1		MGOZZ
48	74A586812-1013		TUBE ASSEMBLY, METAL	1		MGOZZ
49	AN814-6D		PLUG CHECK LINE TO TANK	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 20)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
50	74A586273-1013		TUBE ASSEMBLY, METAL	1		MGOZZ
51	74A586811-1015		TUBE ASSEMBLY, METAL	1		MGOZZ
52	74A586297-2001		GUIDE, PROBE - FUEL QTY, TANK	1		XBOZZ
	NAS673V5		BOLT (AP)	3		PAOZZ
	4M36-01016		WASHER, FLAT (AP) (76301) (2 UNDER EACH BOLT)	6		PAOZZ
	NAS43DD3-11		SPACER (AP)	3		PAOZZ
53	74A586556-2001	•	GASKET, PROBE GUIDE - RAISED INVERTED BAFFLE TK 2 & 3 (76301)	1		XBOZZ
54	W901K20DE	٠	COUPLING, CLAMP, GROOVED(79326) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	2	*	PAOZZ
	14J12-20A		COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-20D) (INCLUDES SLEEVE)	2	*	PAOZZ
55	MS29513-218		PACKING	4		PAOZZ
56	74A586389- 1003		TUBE ASSEMBLY - M/F PRESS TO TANK 1, TANK 2 (76301)	1		MGOZZ
57	NAS1787A20G	•	CLAMP	1		PAOZZ
	NAS673V9		BOLT (AP)	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
	A11144-7-3		NUT, CLIP (AP) (72962) (MCDONNELL SPEC ST3M523C3M)	2	*	PAOZZ
	130091	•	NUT, CLIP (AP) (76530) (MCDONNELL	2	*	PAOZZ
58	74A586247-1045		BRACKET ASSY (76301) (FOR REPAIR SEE WP020 05	1		XBOOO
	NAS673V2		BOLT (AP)	2		PAOZZ
	4M36-01060		WASHER, FLAT (76301) (AP)	2		PAOZZ
59	74A586247-2109		SPACER (76301)	1		MGOZZ
60	74A586247-2107		SHIM (76301)	1		MGOZZ
61	NAS1787A20G		CLAMP	1		PAOZZ
	NAS673V #		BOLT (AP)	2		PAOZZ
	AN960JD10L		WASHER (AP)	2		PAOZZ
62	74A586247-2065	-	BRACKET (76301)	1		XBOZZ
63	ST9M591-4		BLOCK - COILED TUBE SUPPORT(HALF) (76301)	2		PAOZZ
64	NAS673V13		BOLT (AP)	3		PAOZZ
	AN960JD10L		WASHER (AP)	6		PAOZZ
	NAS43DD3-18		SPACER (AP)	3		PAOZZ
	NAS1291C3M		NUT (AP)	3		PAOZZ
65	74A586387-1059	•	BRACKET ASSY (76301) (FOR REPAIR	1		XBOOO
0.5		•	SEE WP020 05) BOLT (AP)	2		
	NAS673V7 AN960JD10L	•	WASHER (AP)	2		PAOZZ PAOZZ
66	ST9M591-4		BLOCK - COILED TUBE SUPPORT	2		PAOZZ
67	NAS673V9		(HALF) (76301) BOLT (AP)	3		DA 0.77
67		•	· ,			PAOZZ
	AN960JD10L	•	WASHER (AP)	6		PAOZZ
60	NAS1291C3M	•	NUT (AP)	3		PAOZZ
68	MS25281-R4		CLAMP	4		PAOZZ
69	NAS673V13		BOLT (AP)	2		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 21)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	AN960JD10L		WASHER (AP)	2		PAOZZ
	NAS43DD3-40	•	SPACER (AP)	2		
70	A11144-7-3	•	NUT, CLIP (72962) (MCDONNELL SPECST3M523C3M)	1	*	PAOZZ PAOZZ
	130091		NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M	1	*	PAOZZ
71	74A586244-1005		CLIP ASSY (76301)	1		XBOGG
	MS21060L3		NUT, PLATE (USE WITH INDEX 71)	1		PAOZZ
	MS20426AD3 #		RIVET (AP)	2		-
72	NAS674V21		BOLT	4		PAOZZ
	AN960JD416L		WASHER (USE WITH INDEX 72)	4		PAOZZ
	NAS42DD8-80		SPACER (USE WITH INDEX 72)	4		PAOZZ
73	74A586247-1029		COVER (76301) (FOR REPAIR WP020 05)	1		XBOOO
	NAS673V4		BOLT (AP)	AR		PAOZZ
	AN960JD10L		WASHER (AP)	AR		PAOZZ
74	74A586247-1051	•	PANEL AFT (76301) (FOR REPAIR SEE	1		XBOOO
	NAS673V4		BOLT (AP)	AR		PAOZZ
	AN960JD10L		WASHER (AP)	AR		PAOZZ
75	74A586247-1003	٠	SUPPORT (76301) (FOR REPAIR SEE	2		XBOOO
	NAS673V4		BOLT (AP)	AR		PAOZZ
	AN960JD10L		WASHER (AP)	AR		PAOZZ
76	W901K32DE	•	COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	4	*	PAOZZ
	14J12-32A		COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	4	*	PAOZZ
77	MS29513-226		PACKING	15		PAOZZ
78	74A586216-1003		TUBE ASSEMBLY, METAL - REFUEL	1		XBOZZ
79	74A586246-2011	•	FWD PANEL ASSY (76301) (FOR	1		XBOOO
	NAS673V4	•	BOLT (AP)	AR		PAOZZ
	AN960JD10L		WASHER (AP)	AR		PAOZZ
80	74A586247-1061	•	DOUBLER PANEL (76301) (FOR REPAIR SEE WP020 05) (SUPERSEDES 74A586247- 1013)	1		XBOOO
	NAS673V4		BOLT (AP)	AR		PAOZZ
	AN960JD10L		WASHER (AP)	AR		PAOZZ
81	74A586287-1005		TUBE ASSEMBLY, METAL - FUEL TANK NO. 2 & 3 (76301)	1		XBOZZ
82	W901K32DE		COUPLING, CLAMP, GROOVED	3		PAOZZ
	14JI2-32A		COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-32D) (INCLUDES SLEEVE)	3		PAOZZ
	W901F32DE		COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-32D) (INCLUDES SLEEVE)	3	*	PAOZZ
83	74A586387-1089		BRACKET ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 22)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER	USE ON	SM&R CODE
110.	NOWIDEN	1 2 3 4 5 6 7	ASSY	CODE	OODL
	NAS673V4	. BOLT (AP)	2		PAOZZ
	AN960JD10L	WASHER (AP)	2		PAOZZ
84	NAS1787A32G	GT 43 GB	2		PAOZZ
04	NAS673V9	. CLAMP	2		PAOZZ
	AN960JD416L		2		PAOZZ
05		. WASHER (AP)	1		XBOZZ
85	74A586216-1005	TANK NO. 2 (76301)			
86	74A586248-2005	. CONNECTOR, FLANGE (76301)	2		PAOZZ
	NAS674V4	. BOLT (AP)	3		PAOZZ
	4M36-01016	. WASHER, FLAT (AP) (76301)	6		PAOZZ
	NAS43DD3-8	. SPACER (AP)	3		PAOZZ
87	74A586249-1001	. MANIFOLD, REFUEL AIRCRAFT	1		XBOZZ
88	NAS1787A24G	. CLAMP	1		PAOZZ
	NAS673V9	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
89	74A586387-1065	BRACKET (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
	NAS673V10	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
90	74A586247-2049	. RETAINER (76301)	1		XBOZZ
	NAS1351C3-10	. SCREW (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
91	74A586338-1003	TUBE ASSEMBLY, METAL - XER &	1		XBOZZ
92	74A586247-2103	. RETAINER (76301)	1		XBOZZ
	NAS1351C3-10	. SCREW (AP)	AR		PAOZZ
	AN9601D10L	. WASHER (AP)	AR		PAOZZ
93	2760008-117	. VALVE, SHUTOFF - FUEL TRANSFER (TANK 2) (NO. 2 FUEL TANK TRANSFER SHUTOFF VALVE) (92003) (MCDON- NELL SPEC 74-580163-115) (5VAP597)	1		PAOZZ
	2760008-115	. SEE ABOVE	1	*	PAOZZ
	2760008-111	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS674V4	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	MS29513-229	. PACKING (USE WITH INDEX 93)	1		PAOZZ
94	74A586272-1003	TEE ASSEMBLY, TRANSFER VALVE	1		XBOZZ
	NAS673V4	. BOLT (AP)	4		PAOZZ
	AN960JD10L	. WASHER (AP)	4		PAOZZ
95	7M637BD-6D	. NIPPLE (76301)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 95)	1		PAOZZ
96	74A586247-2051	. RETAINER (76301)	1		XBOZZ
	NAS1351C3-10	. SCREW (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
97	74A586251-1001	. REDUCER, REFUEL - TUBE	1		XBOZZ
	NAS673V4	. BOLT (AP)	4		PAOZZ
	AN960JD10L	. WASHER (AP)	4		PAOZZ
98	74A586247-2104	. RETAINER (AP)	1		XBOZZ
	NAS1351C3-10	. SCREW (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 23)

INDEX	PART	DESCRIPTION	UNITS PER	USE ON	SM&R
NO.	NUMBER	1 2 3 4 5 6 7	ASSY	CODE	CODE
99	NAS1787A40G	. CLAMP	1		PAOZZ
,,	NAS673V9	BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
100	7M148V6	ELBOW (76301)	1		PAOZZ
100	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 100)	1		PAOZZ
	MS29512-06	PACKING (USE WITH INDEX 100)	1		PAOZZ
101	2760113-113	. VALVE, CHECK - REFUEL-LEVEL	1		PAOZZ
101	2700113 113	(NO. 2 FUEL TANK FUEL LEVEL CONTROL SHUTOFF VALVE) (92003) (MCDONNELL SPEC 74-580108-223) (5VAP596)	•		INOLL
	2760113-111	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	2760113-109	SEE ABOVE (MCDONNELL SPEC	1	*	PAOZZ
	NAS674V4	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	MS29513-224	. PACKING (BELOW VALVE) (USE WITH INDEX 101)	1		PAOZZ
	74A581029-2001	. RESTRICTOR FLUID FLOW PRESSURE FUELING LINE (76301) (ABOVE VALVE) (USE WITH INDEX 101)	1		MGOZZ
102	74A586244-1013	. ANGLE ASSY (76301)	1		XBOGG
	NAS673V2	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 102)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
103	74A586244-2041	. BRACKET (76301)	1		XBOZZ
	NAS674V20	. BOLT (AP)	4		PAOZZ
	AN960JD416L	. WASHER (AP)	4		PAOZZ
	NAS42DD8-80	. SPACER (AP)	4		PAOZZ
104	AN814-6D	. PLUG	1		PAOZZ
	AN924-6D	. NUT (AP)	1		PAOZZ
105	7M637BT-4D @	. NIPPLE (76301)	5		PAOZZ
	AN924-4D	. NUT (AP)	5		PAOZZ
106	74A586246-2005	. CENTER BEAM ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
107	74AS86246-2009	. WEB ASSY, RIGHT (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
	NAS673V4	. BOLT (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
108	74A586248-2007	. CONNECTOR, FLANGE (76301)	1		XBOZZ
	NAS1802-06-9	. SCREW (AP)	4		PAOZZ
	AN960JD6L	. WASHER (AP)	8		PAOZZ
	NAS1291C06M	. NUT (AP)	4		PAOZZ
109	55-6004	DISK ASSEMBLY, VALVE CHECK, FUEL SYSTEM, GRAVITY FEED (NO. 2 FUEL TANK INVERTED FLIGHT VENT CHECK VALVE) (96736) (MCDONNELL SPEC 74-588006-109) (5VAR677)	1		PAOZZ
	74A586248-2013	RESTRICTOR (76301) (USE WITHINDEX 109)	1		XBOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 24)

			LINUTO	HCE	
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
	l				<u> </u>
110	74A586246-2007	. WEB ASSY, LEFT (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
	NAS673V4	. BOLT (AP)	AR		PAOZZ
	AN960JD10L	. WASHER (AP)	AR		PAOZZ
111	74A586246-2003	. FWD BEAM ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
112	7M637BT-6D @	. NIPPLE (76301)	2		PAOZZ
	AN924-6D	. NUT (AP)	2		PAOZZ
113	74A586208-1003	. BRACKET, BAFFLE - FUEL TANK	2		XBOOO
	NAS673V4	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
114	NAS1291C4M	. NUT (USE WITH STUD THRU BLADDER)	8		PAOZZ
	AN960JD416	. WASHER (USE WITH INDEX 114)	8		PAOZZ
115	NAS673V5	. BOLT (THRU LEFT AND RIGHT WEB ASSYS AND BAFFLE BRACKET)	4		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 115)	4		PAOZZ
116	74A586208-1004	. BRACKET, BAFFLE - FUEL TANK, INVERTED FLIGHT (76301) (L. SIDE FWD, R. SIDE AFT) (FOR REPAIR SEE WP020 05)	2		XB000
	NAS673V4	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
117	74A586298-1005	. TUBE ASSEMBLY, METAL SCAVENGE PUMP TO BAFFLE (76301)	1		XBOZZ
118	74A586637-1001	. SCREEN ASSY (76301)	1		XBOZZ
119	NAS673V5	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	NAS1291C3M	. NUT (AP)	2		PAOZZ
120	74A586665-1001	. ADAPTER ASSEMBLY, SCAVENGE TUBE, TANK NO. 2 (76301)	1		XBOZZ
121	MS25281-R16	. CLAMP	1		PAOZZ
	NAS673V3	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
122	MS25281-R6	. CLAMP	1		PAOZZ
123	74A586237-1009	. TUBE ASSEMBLY, METAL - SCAVENGE PUMP (76301)	1		XBOZZ
124	MS25281-R16	. CLAMP	1		PAOZZ
	NAS673V32	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	NAS43DD3-96	. SPACER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
125	74A586247-1035	BRACKET ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
	NAS673V3	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
126	NAS663V3HT	. SCREW	2		PAOZZ
	AN960JD10L	. WASHER (USE WITH INDEX 126)	2		PAOZZ
	NAS1291C3M	. NUT (USE WITH INDEX 126)	2		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 25)

	1		, ,		,
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
127	NAS1802-06-8	. SCREW	2		PAOZZ
127			2		
	AN960JD10L	. WASHER (USE WITH INDEX 127)	2		PAOZZ
120	NAS1291C3M	NUT (USE WITH INDEX 127)			PAOZZ
128	55-6004	DISK ASSEMBLY, VALVE, CHECK,	1		PAOZZ
129	74A586202-2003	. ADAPTER TUBE - SCAVENGE, TANK	1		XBOZZ
130	74A586252-1005	. TUBE ASSEMBLY, METAL - VENT,	1		XBOZZ
131	MS25281-R6	. CLAMP	1		PAOZZ
132	MS25281-R24	. CLAMP	1		PAOZZ
	NAS673V19	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS43DD3-53	. SPACER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
133	74A587105-1005	TUBE ASSEMBLY, METAL - SCAV	1		MGOZZ
134	74A586275-1009	TUBE ASSEMBLY, METAL - PRESS	1		MGOZZ
135	74A587103-1005	TUBE ASSEMBLY, METAL - SCAV	1		MGOZZ
136	MS25281-R6	. CLAMP	2		PAOZZ
	NAS673V2	BOLT (AP) (TO BAFFLE)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	NAS1291C3M	. NUT (AP)	2		PAOZZ
137	MS25281-R6	. CLAMP	2		PAOZZ
137	NAS673V4	DOLE (A.B.)	1		PAOZZ
	AN960JD10L	· ·	1		PAOZZ
		. WASHER (AP)	1		
120	NAS1291C3M	NUT (AP)			PAOZZ
138	74A587122-1003	TUBE ASSEMBLY, METAL - GRAVITY FEED SIGNAL, TANK 2 (76301)	1		MGOZZ
139	74A587122-1005	TUBE ASSEMBLY, METAL - GRAVITY	1		MGOZZ
140	74A586813-1007	TUBE ASSEMBLY, METAL	1		MGOZZ
141	74A586814-1007	. TUBE ASSEMBLY, METAL	1		MGOZZ
142	74A586815-1005	TUBE ASSEMBLY, METAL	1		MGOZZ
143	74A586816-1009	. TUBE ASSEMBLY, METAL - PRECHECK, LH WG, Y391 UN - Y387 UN (76301)	1		MGOZZ
144	74A586822-1009	TUBE ASSEMBLY, METAL	1		MGOZZ
145	AN814-6D	PLUG	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 26)

			UNITS	USE	
NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	PER ASSY	ON CODE	SM&R CODE
146	2760101-101	EJECTOR, JET - REFUELING	1		PAOZZ
	NAS673V2	BOLT (AP)	2		PAOZZ
1.47	AN960JD10L	. WASHER (AP)	2		PAOZZ
147	NAS674V15 AN960JD416	BOLT	3		PAOZZ PAOZZ
148	NAS674V17	BOLT	3		PAOZZ
140	AN960JD416	WASHER	3		PAOZZ
149	7M637BW-6D	ELBOW (76301)	1		PAOZZ
117	MS29512-06	PACKING (USE WITH INDEX 149)	1		PAOZZ
	MS28773-06	RETAINER (USE WITH INDEX 149)	1		PAOZZ
	AN6289D6	. NUT (INDEX WITH INDEX 149)	1		PAOZZ
150	55-7600-5	VALVE, INTERCONNECT, FUEL PRESSURE OPERATED (NO. 2 FUEL TANK PRESSURE OPERATED INTER- CONNECT VALVE (96736) (MCDON- NELL SPEC 74-580110-119) (52-R132)	1		PAOZZ
	74B580188-1001	. SEE ABOVE (76301)	1	*	PAOZZ
	41400-111	. SEE ABOVE (04192) (MCDONNELL	1	*	PAOZZ
	74B580071-1003 +	. SEE ABOVE (76301) (5S-4132)	1	*	PAOZZ
	41400-109 +	. SEE ABOVE (04192) (MCDONNELL	1	*	PAOZZ
151	W702-40D	. NUT ASSEMBLY, TUBE COUPLING	2	*	PAOZZ
	12H72-40A	. SEE ABOVE (24984)	2	*	PAOZZ
152	MS29513-334	. PACKING	2		PAOZZ
153	74A586287-1003	. TUBE ASSEMBLY, METAL - FUEL	1		XBOZZ
154	7M148V6	. ELBOW (76301)	1		PAOZZ
	7M637BD-6D	. NIPPLE (76301) (USE WITH INDEX 154)	1		PAOZZ
	MS29512-06	. PACKING (USE WITH INDEX 154)	1		PAOZZ
155	W901K40DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	1		PAOZZ
	14J12-40A	. COUPLING, CLAMP, GROOVED (24984) (MCDONNELL SPEC 7M765-40D) (INCLUDES SLEEVE)	1		PAOZZ
156	W901F40DE	. COUPLING, CLAMP, GROOVED (79326) (MCDONNELL SPEC 7M550-40D) (INCLUDES SLEEVE)	1	*	PAOZZ
157	74A586268-1003	. FILTER, FLUID PRESSURE - FUEL	1		PAOZZ
158	NAS1787A24G	. CLAMP	1		PAOZZ
	NAS673V5	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 27)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER	USE ON	SM&R CODE
NO.	NOWIDER	1 2 3 4 5 6 7	ASSY	CODE	CODE
150	TMCATDY (D	TEE (7(204)			D4.027
159	7M637BX-6D	TEE (76301)	1		PAOZZ
	AN924-6D	NUT (USE WITH INDEX 159)	1		PAOZZ
160	MS29512-06	PACKING (USE WITH INDEX 159)	1		PAOZZ
160	7M637BW-6D	ELBOW (76301)	1		PAOZZ
	AN924-6D	NUT (USE WITH INDEX 160)	1		PAOZZ
161	MS29512-06	PACKING (USE WITH INDEX 160)	1		PAOZZ
161	74A587118-1001	TUBE ASSEMBLY, METAL - TURBO FUEL PUMP TO BLKH3 (76301)	1		XBOZZ
	NAS674V4	BOLT (AP)	2		PAOZZ
4.50	4M36-02069	. WASHER, FLAT (AP) (76301)	2		PAOZZ
162	74A586750-1003	. CLAMP - FUEL LINE, MOTIVE FLOW TO TURBO PUMP (76301)	1		XBOOO
163	74A587102-1005	. TUBE ASSEMBLY, METAL - TURBO DRIVE FUEL, TURBO PUMP, TANK 2 (76301)	1		XBOZZ
	NAS674V4	. BOLT (AP)	2		PAOZZ
	4M36-02069	. WASHER, FLAT (AP)	2		PAOZZ
164	5007006C	. PUMP, TURBINE DRIVEN (NO. 2 FUEL TANK ENGINE FUEL TURBINE BOOST PUMP) (99167) (MCDONNELL SPEC 74-580168-101) (5BAP679)	1		PAODD
	5007006B	. SEE ABOVE	1	*	PAODD
165	74A585002-2005	. FEED ASSEMBLY, FUEL (NO. 2 FUEL TANK GRAVITY FEED CHECK VALVE) (76301) (5VAP600) (INCLUDES RESTRICTOR)	1		PAOZZ
	NAS1802-06-7	. SCREW (USE WITH INDEX 165)	2		PAOZZ
	AN960JD6L	. WASHER (USE WITH INDEX 165)	2		PAOZZ
	NAS1291C06M	. NUT (USE WITH INDEX 165)	2		PAOZZ
166	AN735-D40	. CLAMP	1		PAOZZ
	NAS673V3	. BOLT (AP)	1		PAOZZ
	AN960JD10L	. WASHER (AP)	1		PAOZZ
	NAS1291C3M	. NUT (AP)	1		PAOZZ
167	MS25083-7BC6	. LEAD, ELECTRICAL	1		PAOZZ
168	74A586750-2011	. CUSHION (76301)	2		PAOZZ
169	NAS674V5	. BOLT	1		PAOZZ
	AN960JD416L	. WASHER	1		PAOZZ
170	74A586750-2009 Ø	. WASHER (SERRATED) (76301)	1		PAOZZ
171	74A586750-2007 Ø	STRAP, RETAINING (76301)	1		PAOZZ
	NAS673V4	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
172	74A586750-2005	. STRAP, RETAINING (76301)	1		PAOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 172)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
173	MS29513-329	. PACKING	1		PAOZZ
174	MS29513-015	. PACKING	2		PAOZZ
175	74A586296-2005	. SPACER, PUMP - SINGLE POINT	1		XBOZZ
176	74A585734-2001 ¶	RETAINER, FUEL CELL FITTING	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 28)

	1		ı		
INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER ASSY	USE ON CODE	SM&R CODE
177	MS29513-327	PACKING	2		PAOZZ
178	74A585733-2001	RETAINER, FUEL CELL FITTING	1		PAOZZ
179	MS29513-333	PACKING	4		PAOZZ
180	74A585735-2001 ¶	RETAINER, FUEL CELL FITTING	3		PAOZZ
	LS580178-101¶	. LOCKNUT, TUBE FITTING - BHD	3		PAOBZ
181	MS29513-325	. PACKING	3		PAOZZ
182	NAS673V2	. BOLT	2		PAOZZ
	AN960JD10	. WASHER (USE WITH INDEX 182)	2		PAOZZ
183	74A585730-2001 ¶	RETAINER, FUEL CELL FITTING,	3		PAOZZ
	LS580174-101 ¶	. LOCKNUT, TUBE FITTING - BHD	3		PAOBZ
184	MS29513-337	. PACKING	6		PAOZZ
185	74A586246-2001	. AFT BEAM ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
	AN9601D416	. WASHER (AP) (TO BULKHEAD STUD)	4		PAOZZ
	NAS1291C4M	. NUT (AP) (TO BULKHEAD STUD)	4		PAOZZ
186	74A586387-1065	BRACKET ASSY (76301) (FOR REPAIR SEE WP020 05)	1		XBOOO
	NAS673V10	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
187	74A586731-2001 ¶	. RETAINER, FUEL CELL FITTING	2		PAOZZ
	LS580177-101¶	. LOCKNUT, TUBE FITTING - SPCL BHD	2		PAOBZ
188	MS29513-339	. PACKING	2		PAOZZ
189	74A585733-2001 ¶	. RETAINER, FUEL CELL FITTING	2		PAOZZ
	LS580173-101¶	. LOCKNUT, TUBE FITTING - BHD	2		PAOBZ
190	74A585739-2001 ¶	. RETAINER, FUEL CELL FITTING	1		PAOZZ
	LS580172-101¶	. LOCKING, TUBE FITTING - BHD CONN, 1.5 IN DIA TUBE (03038) (MCDONNELL SPEC 74B580172-101)	1		PAOBZ
191	MS29513-329	. PACKING	1		PAOZZ
192	74A587116-2001	. RETAINER, FUEL CELL FITTING	1		PAOZZ
193	MS29513-335	. PACKING	1		PAOZZ
194	74A582082-1003	. ADAPTER - TANK DRAIN AND VENT (76301) (SUPERSEDES 74A582082-1001)	1		PAOZZ
195	MS29513-213	. PACKING	1		PAOZZ
196	A11144-7-3	. NUT, CLIP (72962) (MCDONNELL SPEC ST3M523C3M)	2	*	PAOZZ
	130091	. NUT, CLIP (76530) (MCDONNELL SPEC ST3M523C3M)	2	*	PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 29)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
197	74A586244-2101	. ANGLE (76301) (SUPERSEDES	1		XBOZZ
198	74A587117-1001	. SUPPORT, FUEL FILTER - TURBO BOOST PUMP, TANK 2 (76301)	1		XBOOO
	NAS674V2	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 198)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
199	MS25988/1-312	. PACKING	11		PAOZZ
200	NAS674V1	BOLT	1		PAOZZ
	AN960JD416L	. WASHER (USE WITH INDEX 200)	1		PAOZZ
201	74A586244-2007	. WASHER (RETAINER) (76301)	1		PAOZZ
202	74A587100-1007	BRACKET ASSEMBLY - LH, TURBO BOOST PUMP, FUEL TANK NO. 2 (76301) (FOR REPAIR SEE WP 133 03)	1		XBOOO
	NAS674V3	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
203	74A587101-1001	BRACKET ASSEMBLY - RH, TURBO BOOST PUMP, FUEL TANK NO. 2 (76301) (FOR REPAIR SEE WP 133 03)	1		XBOOO
	NAS674V3	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
204	LS580174-101	. LOCKNUT, TUBE FITTING - SPCL BHD	3		PAOBZ
205	7M637BD-4D	. NIPPLE (76301)	7		PAOZZ
206	MS29512-04	. PACKING	7		PAOZZ
207	MS29512-06	. PACKING	3		PAOZZ
208	74A586558-2003	. RETAINER - FUEL TRANS, TK 2 TO CTR PYLON (76301)	1		PAOZZ
209	7M637DA-6D	. REDUCER (76301)	1		PAOZZ
210	74A586244-1027	BRACKET ASSY (76301)	1		XBOGG
	NAS673V3	. BOLT (AP)	2		PAOZZ
	AN960JD10L	. WASHER (AP)	2		PAOZZ
	MS21060L3	. NUT, PLATE (USE WITH INDEX 210)	2		PAOZZ
	MS20426AD3 #	. RIVET (AP)	2		-
211	74A586244-1017	. SUPPORT (76301)	1		XBOGG
	NAS654V1	. BOLT (AP)	2		PAOZZ
	AN960JD416L	. WASHER (AP)	2		PAOZZ
212	74A586244-1021	. SUPPORT (76301)	1		XBOGG
	NAS674V2	. BOLT (AP)	3		PAOZZ
	AN960JD416L	. WASHER (AP)	3		PAOZZ
213	74A585734-2001	RETAINER, FUEL CELL FITTING	1		PAOZZ
	LS580171-101 ¶	. LOCKNUT, TUBE FITTING - BHD	1		PAOBZ
214	74A585736-2001	. RETAINER, FUEL CELL FITTING	1		PAOZZ
	74A586450-1003	. NUT, EXTENDED WASHER, HEXAGON SELF-LOCKING, BHD CONN (76301)	1		PAOZZ

Figure 1. No. 2 Fuel Tank (5CAP509) (Sheet 30)

INDEX NO.	PART NUMBER	1	DESCRIPTION 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
215	M25988/1-315		PACKING	1		PAOZZ
216	NAS655V9		BOLT	2		PAOZZ
	AN960JD516		WASHER (USE WITH INDEX 216)	2		PAOZZ
217	NAS674V1		BOLT	3		PAOZZ
	AN960JD416L		WASHER (USE WITH INDEX 217)	3		PAOZZ
218	NAS674V2		BOLT	1		PAOZZ
	AN960JD416L		WASHER (USE WITH INDEX 218)	1		PAOZZ
219	NAS674V4		BOLT	2		PAOZZ
	AN960JD416L		WASHER (USE WITH INDEX 219)	2		PAOZZ
220	MS29513-385		PACKING	1		PAOZZ
	74K580002-1005 ++	•	PACKING ASSORTMENT,	1		PAOZZ
	74K580002-1003		PACKING ASSORTMENT (SEE ABOVE)	1	*	PAOZZ
	MS29513-385		PACKING	1		XAOZZ
	MS29513-339		PACKING	2		XAOZZ
	MS29513-337		PACKING	6		XAOZZ
	MS29513-335		PACKING	1		XAOZZ
	MS29513-334		PACKING	2		XAOZZ
	MS29513-333		PACKING	6		XAOZZ
	MS29513-330		PACKING	1		XAOZZ
	MS29513 329		PACKING	2		XAOZZ
	MS29513-327		PACKING	2		XAOZZ
	MS29513-325		PACKING	3		XAOZZ
	MS29513-230		PACKING	11		XAOZZ
	MS29513-226		PACKING	17		XAOZZ
	MS29513-222		PACKING	15		XAOZZ
	MS29513-218		PACKING	4		XAOZZ
	MS29513-214		PACKING	10		XAOZZ
	MS29513-213		PACKING	1		XAOZZ
	MS29513-126	•	PACKING	1		XAOZZ
	MS29513-117		PACKING	1		XAOZZ
	MS29513-024		PACKING	1		XAOZZ
	MS29513-015		PACKING	6		XAOZZ
	MS29512-08		PACKING	1		XAOZZ
	MS29512-06		PACKING	4		XAOZZ
	MS29512-04		PACKING	8		XAOZZ
	M25988/1-022		PACKING	1		XAOZZ
	M25988/1-315		PACKING	1		XAOZZ
	M25988/1-312		PACKING	15		XAOZZ

^{*} ALTERNATE OR EQUIVALENT PARTS. (WP002 00)

[#] LENGTH/SIZE TO BE DETERMINED AT INSTALLATION.

Page 33/(34 blank)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE	
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- + 41400-109 VALVE MAY RUB ON BOTTOM OF TANK BLADDER. IF THIS CONDITION EXISTS, A 74B580071-1003 OR 41400-111 VALVE MUST BE INSTALLED.
- © AMFUEL OR UNIROYAL INDIVIDUAL BACKING BOARDS MUST BE REPLACED BY SAME MANUFACTURERS PART.

 COMPLETE SETS OF AMFUEL OR UNIROYAL BACKING BOARDS MAY BE USED WITH EITHER AMFUEL OR UNIROYAL TANKS.
- ++ USER MAY COMPLETE TANK
 INSTALLATION AND HAVE PACKINGS
 REMAINING BECAUSE KIT CONTAINS
 ENOUGH PACKINGS TO COVER ALL
 EFFECTIVITIES.
- \emptyset USE THESE PARTS TOGETHER.
- @ PREPARE MATING SURFACES OF BAFFLE AND NIPPLES FOR ELECTRICAL BOND PRIOR TO INSTALLATION. (A1-F18AC-LMM-000)
- ¶ NUTS ARE USED WITH PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS ARE USED WITH NON-PROTRUDING TYPE BULKHEAD CONNECTORS. RETAINERS AND NON-PROTRUDING TYPE BULKHEAD CONNECTORS ARE REPLACEMENT PARTS FOR NUTS AND PROTRUDING TYPE BULKHEAD CONNECTORS. REF WP041 00 AND WP013 2.

CODE	USABLE ON	MODEL
A	161353 THRU 161715	F/A-18A
В	161354 THRU 161714	F/A-18B

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

NO. 2 FUEL TANK INSPECTION AND FOLDING

FUEL STORAGE SYSTEM

Reference Material

Fuel System	
Ground Support Equipment	WP009 01
Installation - No. 2 Fuel Tank	WP019 00
Fuel Tank Fitting Repair	WP036 00
Aircraft Fuel Cells and Internal/External Tanks	NAVAIR 01-1A-35

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Inspection	2
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Installation - No. 2 Fuel Tank Folding, Figure 2	16
Materials Required	2
Removal	2
Removal - No. 2 Fuel Tank Folding, Figure 1	4
Support Equipment Required	2

Record of Applicable Technical Directives

None

Support Equipment Required

Part Number or Type Designation	Nomenclature
74D460104-1001	Fuel Cell Removal/ Installation Grommet Set
SK-2952	Protector Cap Kit
74D460019-1001	Fuel Cell Removal/ Installation Tool Set
MMEP-12B	Hot Air Blower
74D460143-1001	Installation/ Removal Gage
0900R	Fuel Tank Strap Assembly
44240-10	Fuel Tank Ratchet Assembly

Materials Required

Specification or Part Number	Nomenclature		
-	Plastic or Wooden Scraper		
MIL-B-131, Class 1 (CAGE 81349)	Barrier Material (heavy paper or canvas)		
A-A-42 (CAGE 81348)	Talcum Powder		
CCC-C-440, Type 1 Class 1 (CAGE 81348)	Cheesecloth		
TT-I-735 (CAGE 81348)	Isopropyl Alcohol		
474 (CAGE 76381)	Tape, Pressure Sensitive		

1. FUEL TANK HANDLING PRECAUTIONS.

- a. Do not drag, tumble, or use tank fittings for handles.
 - b. Keep tank out of direct sunlight.
- c. Tank and cavity must be at least 60°F before folding for removal and installation. Use hot air blower as required.

- d. Do not wear shoes, jewelry or use any other sharp objects while folding fuel tank. Wear only clean cotton coveralls with no pockets or buttons and clean white socks.
 - e. Do not stand or kneel on tank.
 - f. Do not crease or fold areas around tank fittings.
 - g. Do not rest tank on a sharp edge.
- h. Do not keep tank folded for more than 8 hours.
- i. Do not remove tank from storage container until ready for installation or inspection.
- j. After removal from container, keep fuel tank on clean barrier material.

2. REMOVAL.

- a. Observe applicable fuel tank handling precautions.
 - b. Install protector cap kit on fuel tank fittings.

NOTE

Use fuel cell removal/installation tool set, as required, to remove tank from cavity.

c. Using straps and ratchet (WP009 01), fold and remove fuel tank per figure 1.

3. INSTALLATION.

- a. Inspect fuel tank per paragraph 4.
- b. Using straps and ratchet (WP009 01), fold fuel tank for installation per figure 2.

4. INSPECTION. (QA)

- a. Inspect fuel tank per NAVAIR 01-1A-35 and substeps below:
 - (1) Inspect fuel tank interior for loose liner lap.

- (2) A loose liner lap is allowable up to 1/4 inch width for complete length of liner lap, if 1 inch bond is maintained on fabric liner and 1/4 inch on rubber liner.
- (3) Inspect for and remove foreign material in access fitting floating nuts.
- (4) Inspect for and clean (paragraph 5) all fittings of:
 - (a) dirt
 - (b) grease
 - (c) corrosion
 - (d) burrs
- (e) foreign material that would prevent packing seal
- (5) Inspect for and repair (WP036 00) fittings with:
 - (a) cracks
 - (b) scratches at tank/cavity sealing surface
 - (c) nicks at tank/cavity sealing surface
 - (d) distortion

- (e) damaged threads
- (f) sharp edges
- (g) damage that would cause mismatch, or prevent packing seal

5. CLEANING.









Isopropyl Alcohol, TT-I-735

4



To prevent scratches, use only a plastic or wooden scraper, and clean lint-free cheesecloth to remove foreign material from fuel tank fittings.

- a. Using a plastic or wooded scraper, and clean lint-free cheesecloth moistened with isopropyl alcohol, remove dirt, grease or foreign material.
- b. Wipe area with dry cheesecloth before alcohol evaporates.

PROCEDURE

NOTE

BECAUSE OF THE WORKING ENVIRON-MENT INSIDE OF CAVITY AREA, FUEL TANK MAINTENANCE WORKERS COULD FATIGUE EASILY. WORKERS SHOULD ALTERNATE IN CAVITY EVERY 15 MINUTES.

- WHILE KNEELING INSIDE FUEL TANK, PULL TANK AWAY FROM FITTINGS AND CAVITY CORNERS.
- 2. GATHER TANK WALLS TOWARD CENTER AS MUCH AS POSSIBLE.

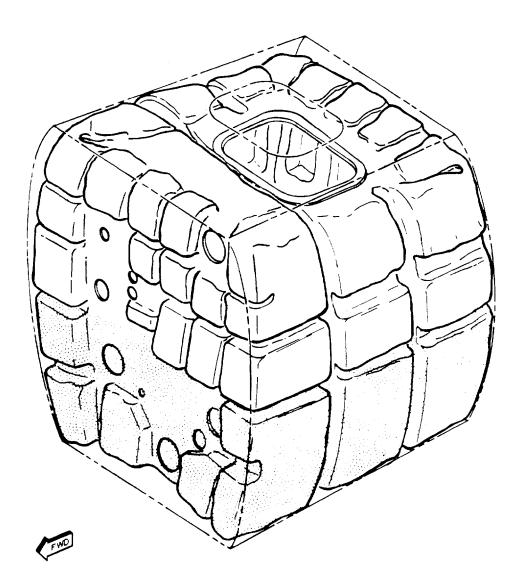


Figure 1. Removal - No. 2 Fuel Tank Folding (Sheet 1)

18AC-460-30-(51-1)

3. WORKING THROUGH DORSAL DECK OPEN-ING. PUSH FUEL TANK ACCESS OPENING TOWARD FLOOR OF CAVITY WHILE SMOOTH-ING OUT LARGE BULGES AND WRINKLES.

NOTE

WHEN CORRECTLY PUSHED DOWN FUEL TANK WILL BE BENT ALONG SELF-SEALING SURFACE AND TANK WILL BE TUCKED WITHIN ITSELF.

4. PUSH FUEL TANK ACCESS OPENING AGAINST FLOOR OF CAVITY AND PUSH CORNERS OF TANK OUT. TUCKING TANK WITHIN ITSELF.

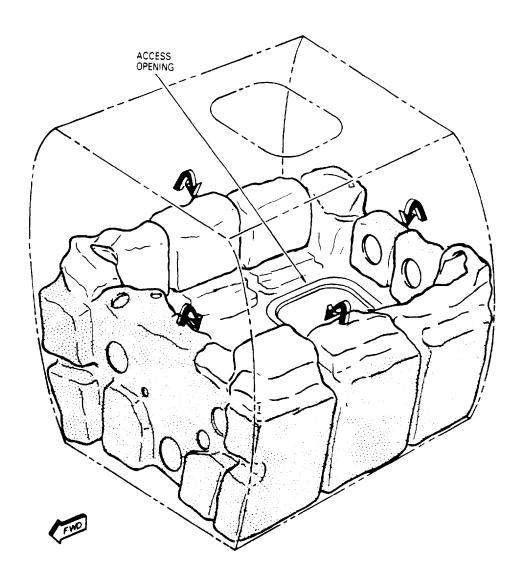


Figure 1. Removal - No. 2 Fuel Tank Folding (Sheet 2)

18AC-460-30-(51-2)

5. WHEN ACCESS OPENING HAS BEEN PUSHED DOWN AND BULGES AND WRINKLES SMOOTHED OUT, FOLD AFT SELF-SEALING SURFACE OVER ACCESS OPENING, THEN FOLD FORWARD SELF-SEALING AREA OVER ACCESS OPENING.

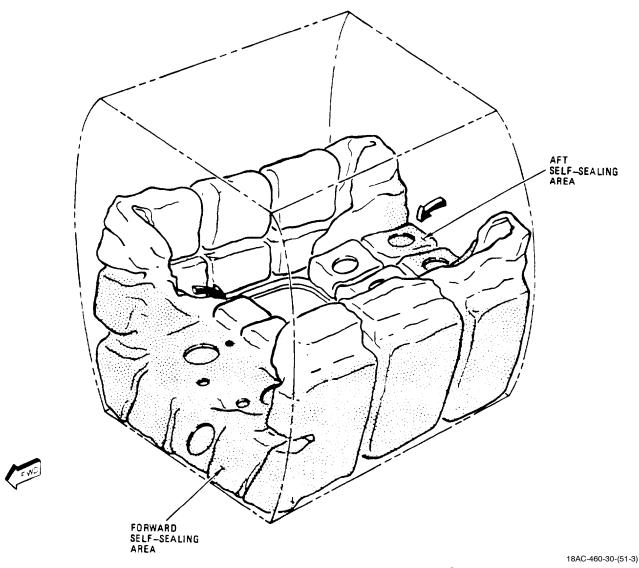


Figure 1. Removal - No. 2 Fuel Tank Folding (Sheet 3)

NOTE

POSITION BUCKLES OF STRAPS TO ALLOW ENOUGH ROOM FOR RATCHETING.

- 6. POSITION STRAP A (LONG STRAP) AROUND END OF SELF SEALING AREA AND HAND-TIGHTEN
- 7. POSITION STRAP B (LONG STRAP) AROUND CENTER OF TANK AND HANDTIGHTEN.

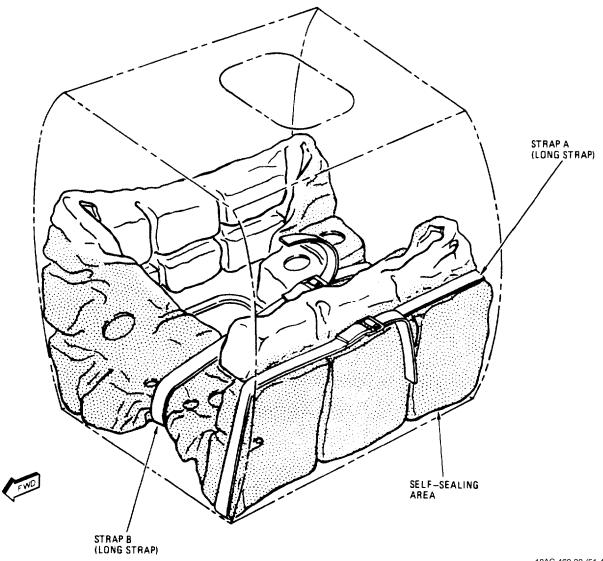


Figure 1. Removal - No. 2 Fuel Tank Folding (Sheet 4)

18AC-460-30-(51-4)

8. LOCATE STRAP C (LONG STRAP) AROUND REMAINING END OF SELF-SEALING AREA.



TO PREVENT DAMAGE TO FUEL TANK, BE CAREFUL WHEN USING RATCHET ON STRAP B. EXCESSIVE TIGHTENING COULD DAMAGE ACCESS OPENING.

9. TIGHTEN STRAPS A, B AND C WITH RATCHET.

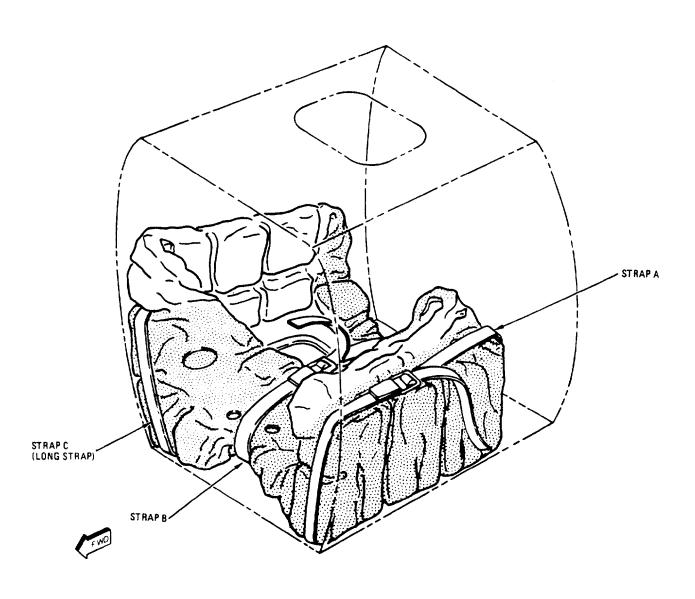


Figure 1. Removal - No. 2 Fuel Tank Folding (Sheet 5)

18AC-460-30-(51-5)

- TURN FUEL TANK IN CAVITY UNTIL FLOOR OF FUEL TANK IS AGAINST RIGHT WALL OF CAVITY AND STRAP A IS ON TOP.
- 11. LOOSEN STRAPA.

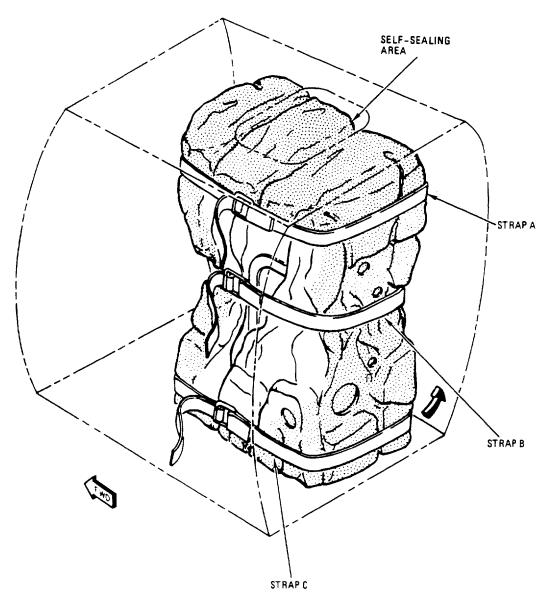


Figure 1. Removal - No. 2 Fuel Tank Folding (Sheet 6)

18AC-460-30-(51-6)

- 12. PUSH TOP PORTION OF TANK UP AND GATHER SIDES OF TANK TOWARD MIDDLE (OVER ACCESS OPENING).
- 13. REPOSITION STRAP A OVER TOP PORTION AND TIGHTEN WITH RATCHET.
- 14. WORKING FROM CENTER OF FUEL TANK
 UP, POSITION ADDITIONAL STRAPS, AS
 REQUIRED, AND TIGHTEN WITH RATCHET.
 BE CAREFUL WHEN TIGHTENING STRAPS
 ARDUND ACCESS OPENING.

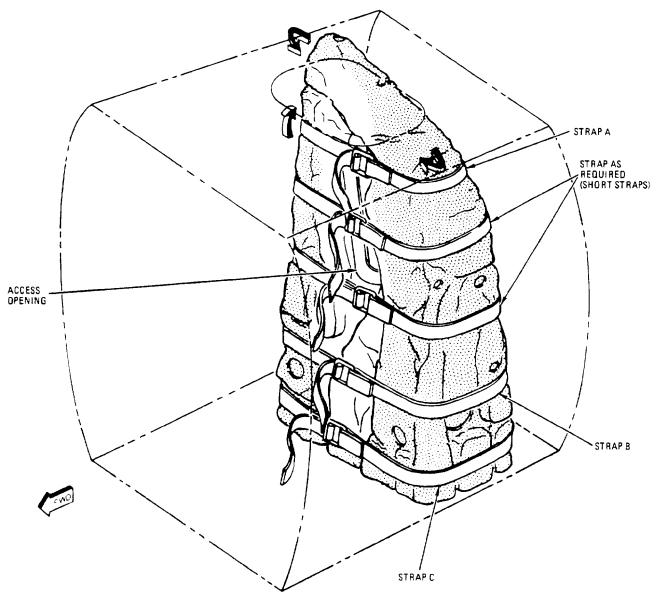


Figure 1. Removal - No. 2 Fuel Tank Folding (Sheet 7)

18AC-460-30-(51-7)

15. TURN TANK IN CAVITY SO THAT STRAP C IS ON TOP AND STRAPPED AREA FROM PREVIOUS STEP IS ON CAVITY FLOOR.

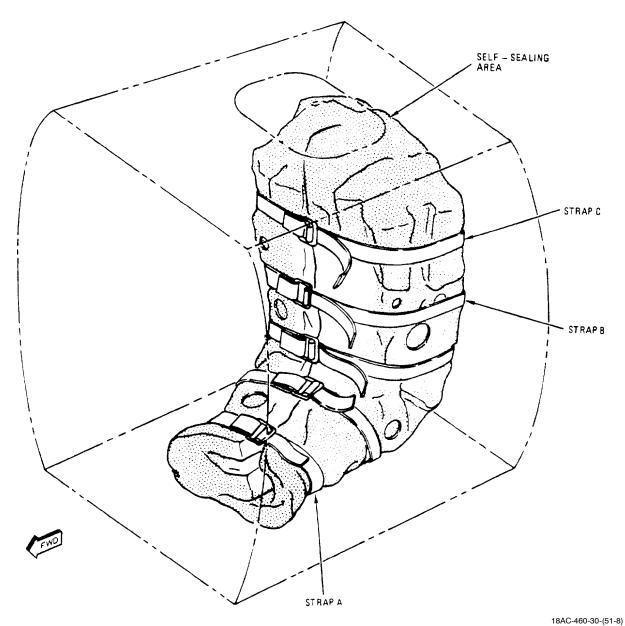


Figure 1. Removal - No. 2 Fuel Tank Folding (Sheet 8)

16. LOOSEN STRAP C AND PUSH TOP PORTION OF TANK UP AND GATHER SIDES OF TANK TOWARD MIDDLE (OVER ACCESS OPENING).

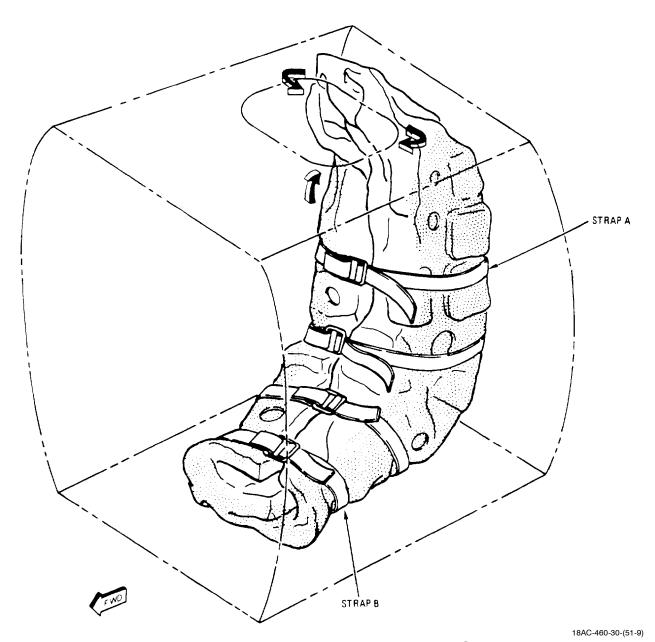


Figure 1. Removal - No. 2 Fuel Tank Folding (Sheet 9)

- 17. REPOSITION STRAP C OVER TOP PORTION AND TIGHTEN WITH RATCHET.
- 18. WORKING FROM CENTER OF FUEL TANK UP, POSITION ADDITIONAL STRAPS, AS REQUIRED, AND TIGHTEN WITH RATCHET. BE CAREFUL WHEN TIGHTENING STRAPS AROUND ACCESS OPENING.

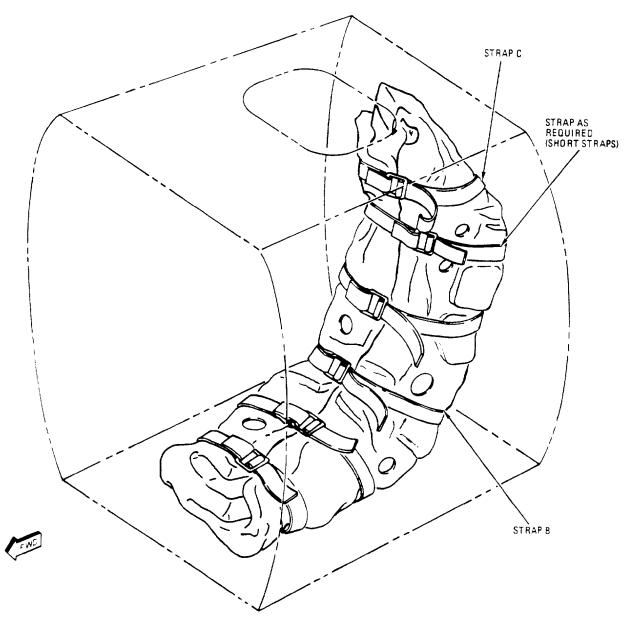


Figure 1. Removal - No. 2 Fuel Tank Folding (Sheet 10)

18AC-460-30-(51-10)

CAUTION

TO PREVENT OVERCOMPRESSING TANK CAUSING POSSIBLE DAMAGE, MAKE SURE RATCHET TENSION STRAP IS USED TO COMPRESS TANK ONLY ENOUGH TO ALLOW GAGE TO SLIDE OVER TANK

 POSITION INSTALLATION/REMOVAL GAGE OVER TANK. TIGHTEN OR ADD STRAPS, AS REQUIRED, TO PASS GAGE OVER FOLDED TANK.

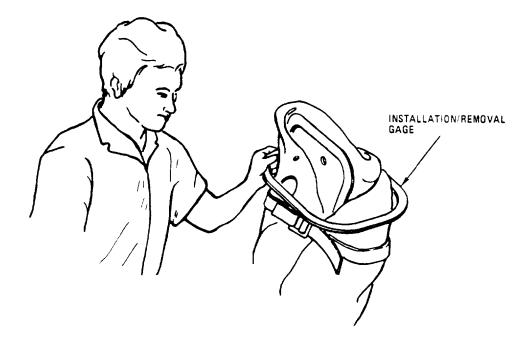


Figure 1. Removal - No. 2 Fuel Tank Folding (Sheet 11)

18AC-460-30-(51-11)

WARNING

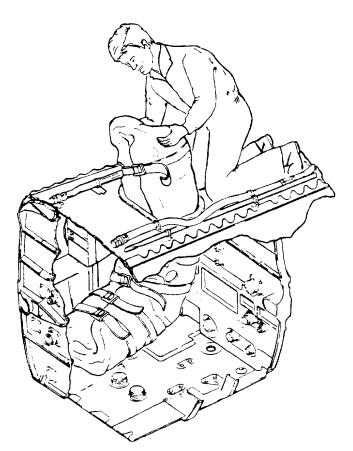
TO PREVENT POSSIBLE INJURY TO MAINTENANCE PERSONNEL WHILE REMOVING FUEL TANK FROM CAVITY. MAINTENANCE PERSONNEL MUST NOT BE IN CAVITY.

- 20. WHEN INSTALLATION REMOVAL GAGE IS PASSED OVER TANK AND STRAPS HAVE BEEN CORRECTLY TIGHTENED. MAINTENANCE WORKER MUST EVACUATE CAVITY.
- 21. APPLY PRESSURE SENSITIVE TAPE TO ACCESS OPENING.

NOTE

DURING LIFTING OF FUEL TANK
THROUGH DORSAL DECK OPENING.
SIDE TO SIDE MOVEMENT, FORWARD
AND AFT MOVEMENT, AND TWISTING
OF FUEL TANK MAY BE REQUIRED
TO CLEAR ANY FUEL TANK IRREGULARITIES. AVOID FORCING
TANK THROUGH DORSAL DECK
OPENING.

- 22. WHILE STANDING OR KNEELING ON DORSAL DECK, LIFT AND MANEUVER TANK THROUGH ACCESS OPENING ON DORSAL DECK.
- 23. REMOVE ALL TAPE AND LACING CORDS FROM CAVITY.



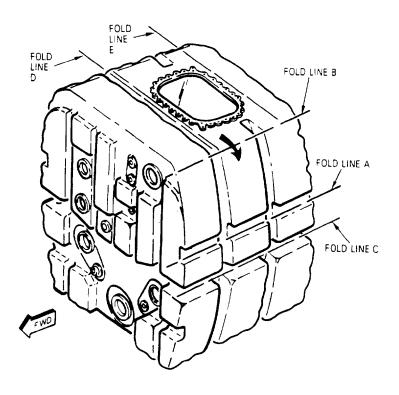


18AC-460-30-(51-12)

Figure 1. Removal - No. 2 Fuel Tank Folding (Sheet 12)

PROCEDURE

- 1. OBSERVE PARAGRAPH 1 HANDLING PRECAUTIONS.
- 2. LAY FUEL TANK ON PROTECTIVE MATERIAL.
- 3. INSTALL PROTECTOR CAP KIT.
- 4. DUST OUTSIDE OF TANK WITH TALCUM POWDER.



18AC-460-30-(52-1)

Figure 2. Installation - No. 2 Fuel Tank Folding (Sheet 1)

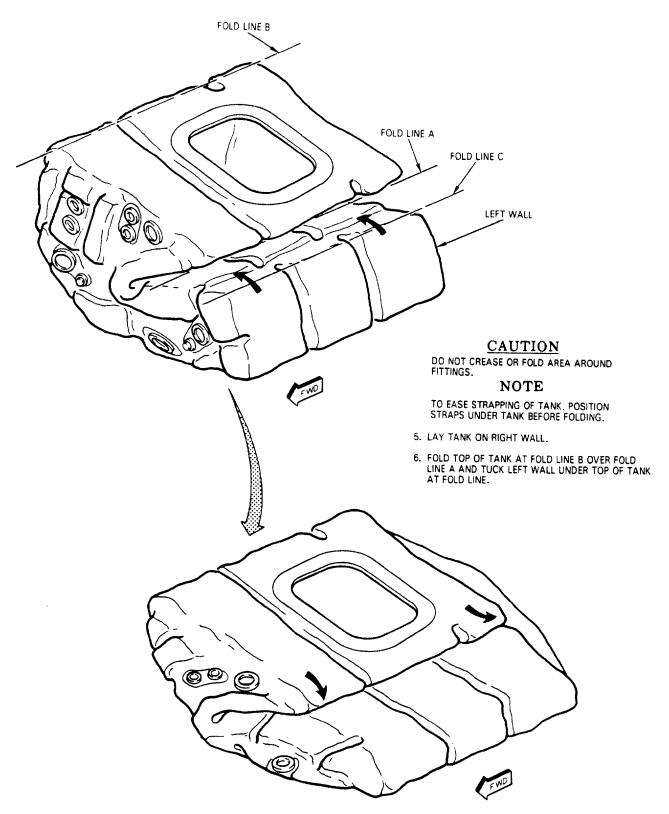


Figure 2. Installation - No. 2 Fuel Tank Folding (Sheet 2)

18AC-460-30-(52-2)

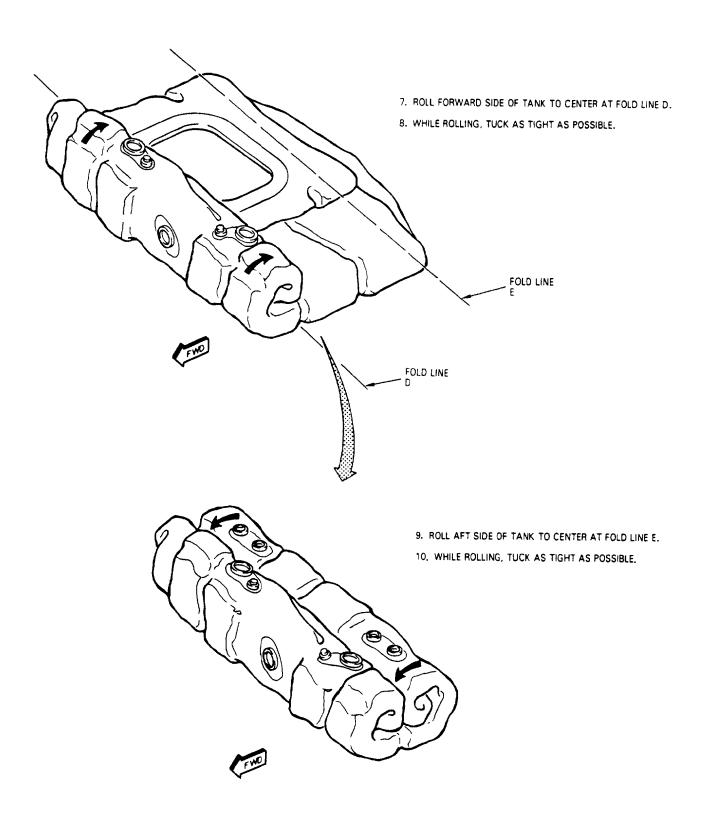


Figure 2. Installation - No. 2 Fuel Tank Folding (Sheet 3)

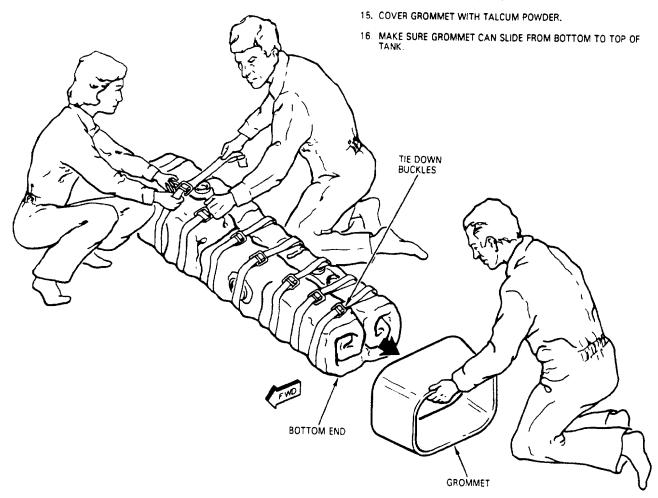
18AC-460-30-(52-3)

11. WORKING FROM TOP TO BOTTOM, INSTALL AT LEAST EIGHT TIEDOWN BUCKLE STRAPS.

CAUTION

TO PREVENT OVERCOMPRESSING TANK CAUSING POSSIBLE DAMAGE. MAKE SURE RATCHET TENSION STRAP IS USED TO COMPRESS TANK ONLY ENOUGH TO ALLOW GROMMET TO SLIDE OVER TANK.

- USING A RATCHET TENSION STRAP AND TIEDOWN BUCKLE STRAPS. WORK BACK AND FORTH FROM TOP TO BOTTOM TO COMPRESS TANK.
- TIGHTEN TANK TO A COMPACT PACKAGE OF APPROXIMATELY 10 INCHES BY 15 INCHES.
- 14. REMOVE RATCHET TENSION STRAP.



18AC-460-30-(52-4)

Figure 2. Installation - No. 2 Fuel Tank Folding (Sheet 4)

- INSTALL GROMMET, THEN POSITION FUEL TANK IN DOOR OPENING WITH ROLLED SIDES FACING AFT.
- 18. CAREFULLY GUIDE TANK THROUGH DOOR OPENING BUT DO NOT USE SHARP TOOLS OR FORCE.

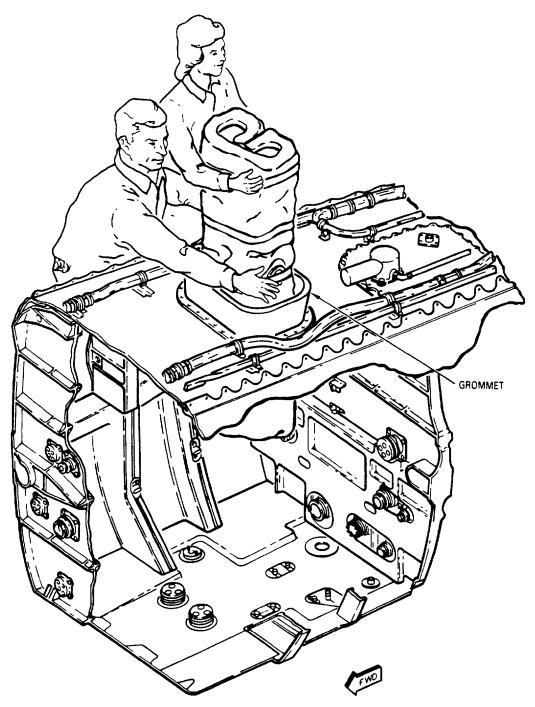
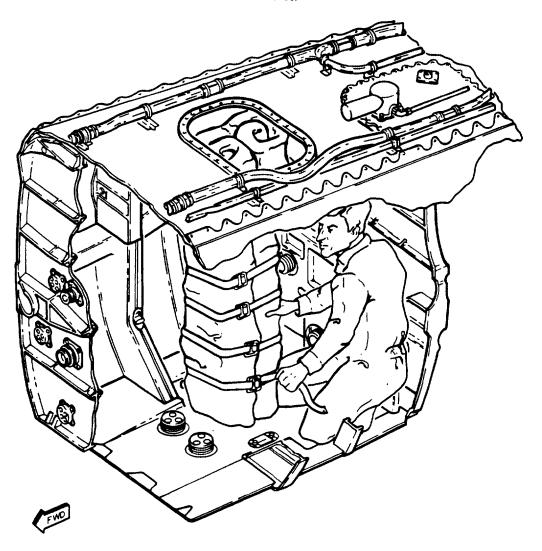


Figure 2. Installation - No. 2 Fuel Tank Folding (Sheet 5)

18AC-460-30-(52-5)

- 19. REMOVE GROMMET.
- 20. POSITION TANK IN AFT, RIGHT CORNER OF TANK CAVITY AS SHOWN.
- 21. REMOVE TIEDOWN BUCKLE STRAPS (BOTTOM TO TOP) FROM CAVITY WHILE ORIENTING TANK TO CAVITY.
- 22. REMOVE PROTECTOR CAPS FROM INSIDE TANK.
- 23. LACE TANK NO. 2 PER WP019 00.



18AC-460-30-(52-6)

Figure 2 Installation - No. 2 Fuel Tank Folding (Sheet 6)

1 May 2001 Page 1

ORGANIZATIONAL MAINTENANCE SYSTEM MAINTENANCE WITH IPB

NO. 2 FUEL TANK CAVITY FOAM FILLER

FUEL STORAGE SYSTEM

Reference Material

Fuel System	AC-460-300
Fuel Tank Maintenance Precautions and General Preparation	
Fuel Tank Cavity Preparation	
No. 2 and No. 3 Fuel Tank Backing Boards	
Alphabetical Index	
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Support Equipment Required

Record of Applicable Technical Directives

Type/ Number	Date	Title and ECP No.	Date Incorp.	Remarks
F/A-18 AFC 18	-	Incorporation of Fuel Turbine Boost Pump/Sealing of Raised Baffle in Fuel Tanks 2 and 3. (ECP MDA-F/A-18-00077/C1/C2)	15 Jul 86	-

Support Equipment Required

None

Materials Required

Specification or Part Number	Nomenclature
TT-I-735 (CAGE 81348)	Isopropyl Alcohol
CCC-C-440, Type 1, Class 1 (CAGE 81348)	Cheesecloth
EC-847 (CAGE 76381)	Adhesive
-	Plastic or Wooden Scraper

1. REMOVAL.

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
 - b. Remove foam filler that is:
 - (1) damaged
- (2) fuel soaked (Fuel soaked foam blocks lose rigidity, seep fuel when compressed and/or come apart when handled, WP039 00).
 - (3) loose
 - c. Remove anti-chafe tape that is:

- (1) damaged
- (2) loose
- d. Scrape away adhesive using plastic or wooden scraper.

2. INSTALLATION.

- a. Observe applicable fuel tank maintenance precautions (WP013 00).
 - b. Apply anti-chafe tape per WP039 00.
- c. Fasteners protruding 0.125 inch require foam filler and anti-chafe tape. Refer to WP039 00.









Isopropyl Alcohol, TT-I-735

NOTE

Clean area to be bonded immediately before applying adhesive.

- d. Wipe surface to be bonded with cheesecloth moistened with isopropyl alcohol. Wipe area with clean, dry cheesecloth before alcohol evaporates.
- e. Repeat above step until no visible contamination remains.
- f. Surface of foam to be bonded must be roughened to expose foam cells.

g. Position foam in place. Apply hand pressure to allow forming around structure and fasteners. Trim as required.









Adhesive, EC-847

10

NOTE

To ease installation, floor foam may first be glued to backing board, then position backing board with foam on cavity floor and install. See WP035 01.

h. Apply adhesive to either foam or structure so that foam will be held at edges. Undercut edges or surfaces over protruding fasteners do not have to be bonded. Complete coverage of adhesive is required only on foam that is suspended. Additional adhesive may be used sparingly on larger blocks.

- i. Allow adhesive to dry until tacky (5 to 10 minutes). Position foam in place, apply hand pressure to assure proper seating and remove trapped air.
 - j. Remove excess adhesive from fittings.
- k. Allow bonded foam to air cure a minimum of 2 to 4 hours before fuel cell installation.

3. INSPECTION.

4. Visually inspect (WP039 00) complete cavity for metal edges or protrusions, not covered with foam filler or anti-chafe tape which could cause damage to fuel tank. (QA)

5. ILLUSTRATED PARTS BREAKDOWN.

6. This illustrated parts breakdown has data required for identifying and ordering parts. The manual introduction has more information on IPB data.

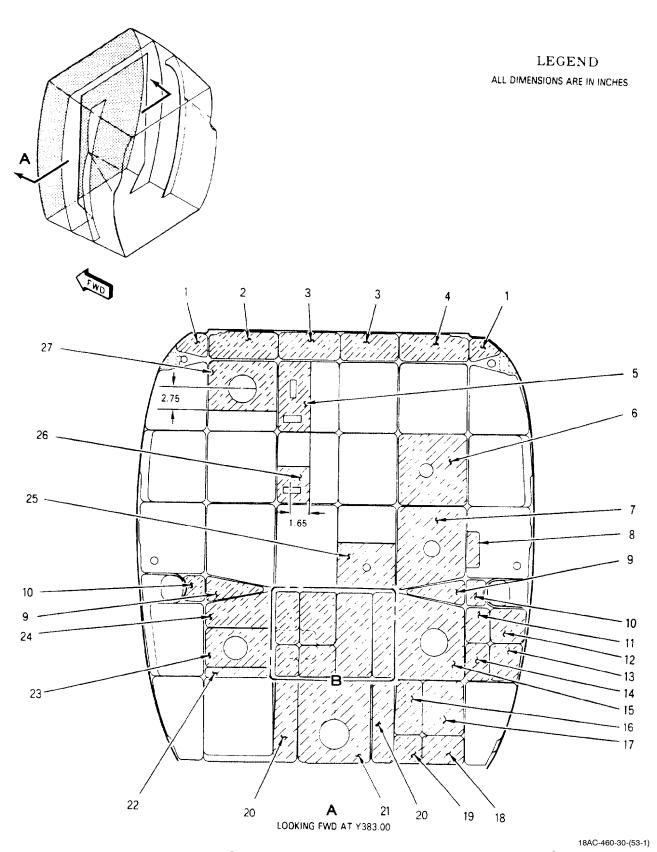
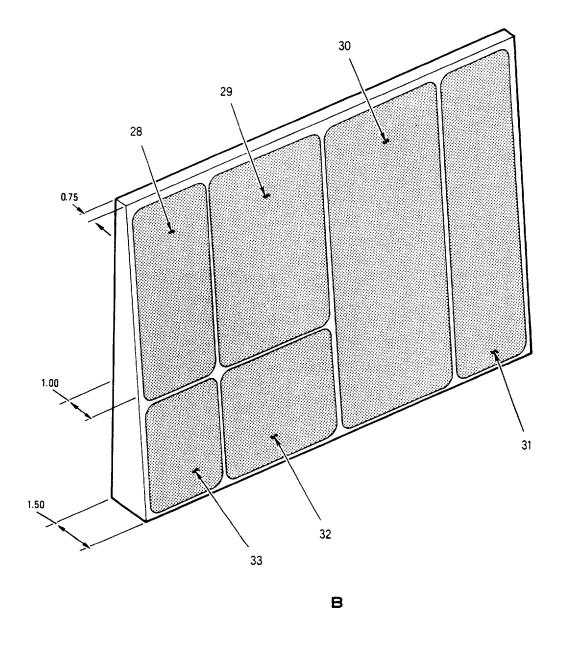


Figure 1. No. 2 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 1)



18AC-460-30-(53-2)

Figure 1. No. 2 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 2)

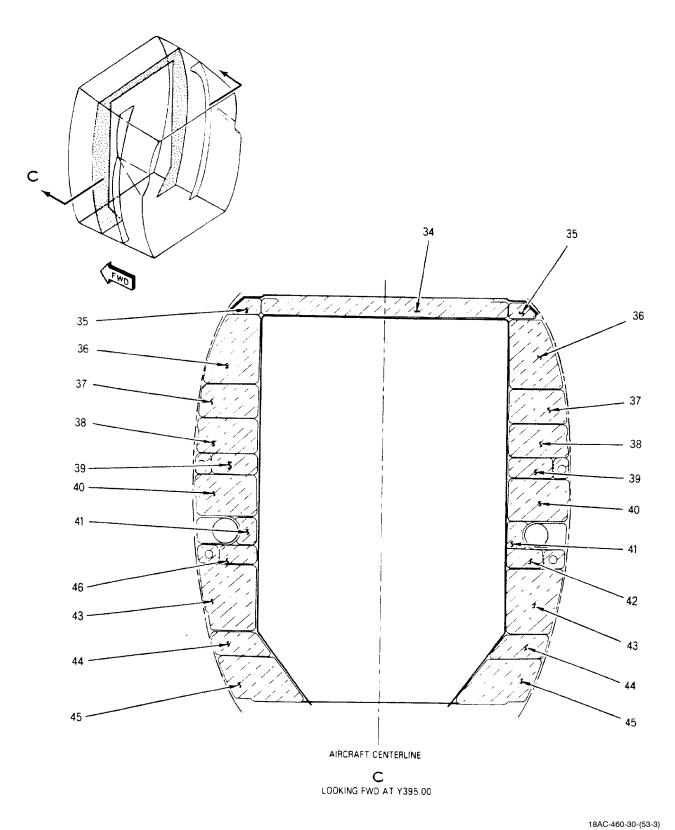


Figure 1. No. 2 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 3)

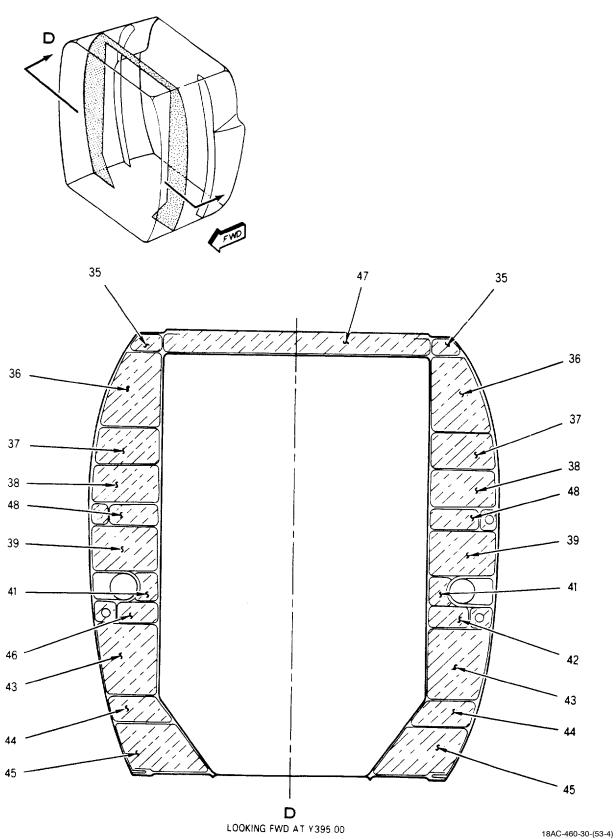


Figure 1. No. 2 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 4)

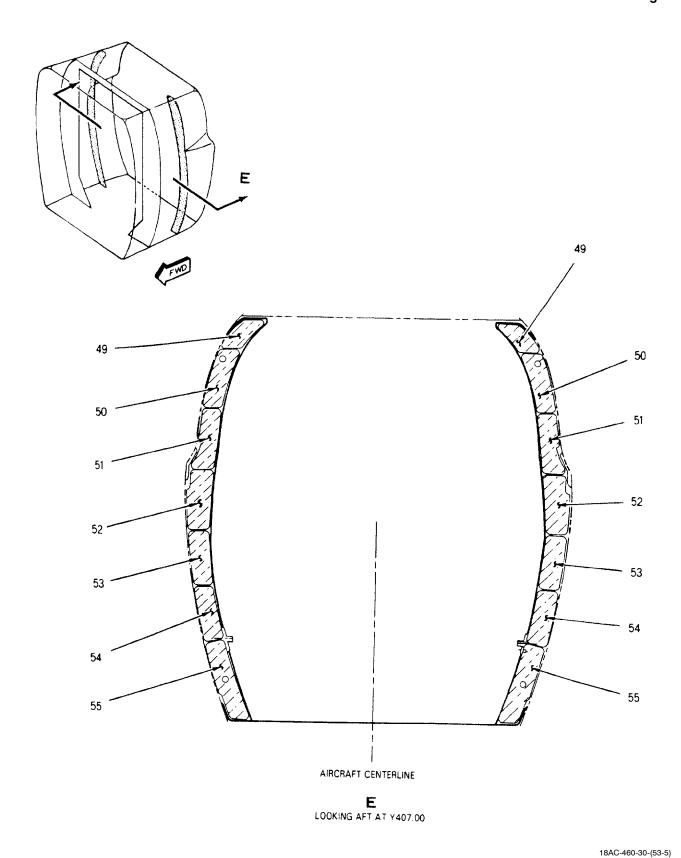


Figure 1. No. 2 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 5)

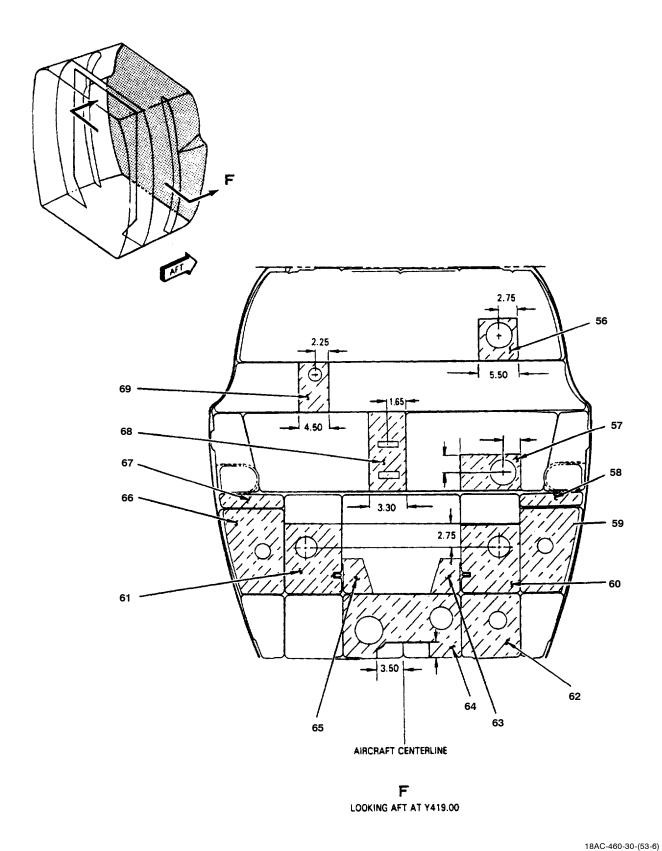


Figure 1. No. 2 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 6)

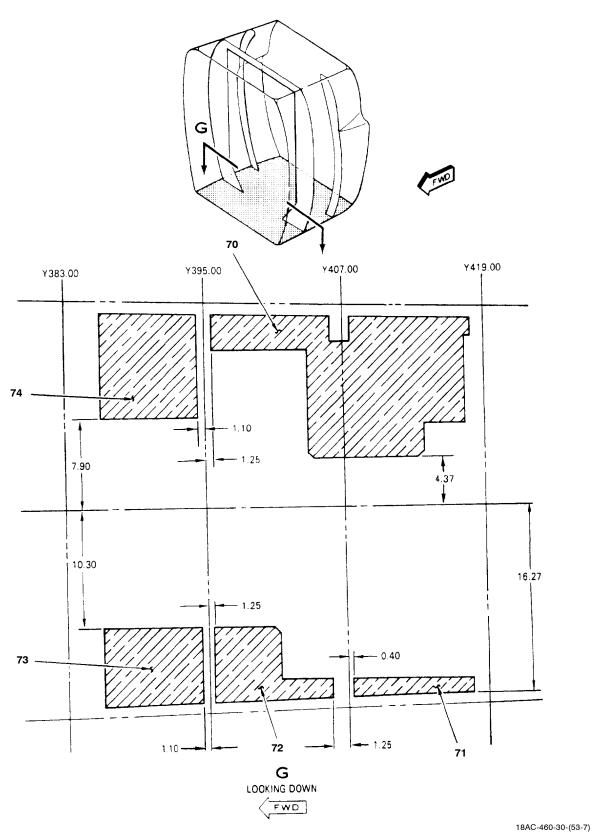


Figure 1. No. 2 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 7)

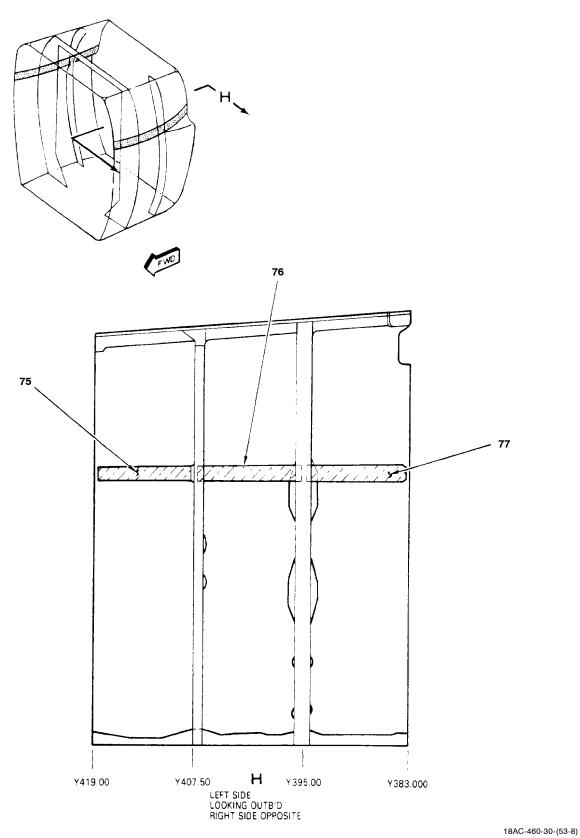


Figure 1. No. 2 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 8)

1	1		ı		
INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 2 FUEL TANK CAVITY FOAM FILLER - 161353 THRU 161741			
1	74A586200-2011 +	FILLER (FOAM) (76301)	2		MGOZZ
2	74A586200-2001 +	. FILLER (FOAM) (76301)	1		MGOZZ
3	74A586200-2003 +	. FILLER (FOAM) (76301)	2		MGOZZ
4	74A586200-2009 +	. FILLER (FOAM) (76301)	1		MGOZZ
5	74A586200-2005 +	. FILLER (FOAM) (76301)	1		MGOZZ
6	74A586200-2013 +	. FILLER (FOAM) (76301)	1		MGOZZ
7	74A586200-2015 +	. FILLER (FOAM) (76301)	1		MGOZZ
8	74A586200-2017 +	. FILLER (FOAM) (76301)	1		MGOZZ
9	74A586200-2021 +	. FILLER (FOAM) (76301)	2		MGOZZ
10	74A586200-2019 +	. FILLER (FOAM) (76301)	2		MGOZZ
11	74A586200-2225 +	. FILLER (FOAM) (76301)	1		MGOZZ
12	74A586200-2227 +	. FILLER (FOAM) (76301)	1		MGOZZ
13	74A586200-2229 +	. FILLER (FOAM) (76301)	1		MGOZZ
14	74A586200-2231 +	. FILLER (FOAM) (76301)	1		MGOZZ
15	74A586200-2023 +	. FILLER (FOAM) (76301)	1		MGOZZ
16	74A586200-2217 +	. FILLER (FOAM) (76301)	1		MGOZZ
17	74A586200-2219 +	. FILLER (FOAM) (76301)	1		MGOZZ
18	74A586200-2221 +	. FILLER (FOAM) (76301)	1		MGOZZ
19	74A586200-2223 +	. FILLER (FOAM) (76301)	1		MGOZZ
20	74A586200-2029 +	. FILLER (FOAM) (76301)	2		MGOZZ
21	74A586200-2057 +	. FILLER (FOAM) (76301)	1		MGOZZ
22	74A586200-2049 +	. FILLER (FOAM) (76301)	1		MGOZZ
23	74A586200-2047 +	. FILLER (FOAM) (76301)	1		MGOZZ
24	74A586200-2045 +	. FILLER (FOAM) (76301)	1		MGOZZ
25	74A586200-2089 +	. FILLER (FOAM) (76301)	1		MGOZZ
26	74A586200-2035 +	. FILLER (FOAM) (76301)	1		MGOZZ
27	74A586200-2033 +	. FILLER (FOAM) (76301)	1		MGOZZ
28	74A586200-2039 +	. FILLER (FOAM) (76301)	1		MGOZZ
29	74A586200-2037 +	. FILLER (FOAM) (76301)	1		MGOZZ
30	74A586200-2027 +	. FILLER (FOAM) (76301)	1		MGOZZ
31	74A586200-2025 +	. FILLER (FOAM) (76301)	1		MGOZZ
32	74A586200-2053 +	. FILLER (FOAM) (76301)	1		MGOZZ
33	74A586200-2051 +	. FILLER (FOAM) (76301)	1		MGOZZ
34	74A586200-2105 +	. FILLER (FOAM) (76301)	1		MGOZZ
35	74A586200-2103 +	. FILLER (FOAM) (76301)	4		MGOZZ
36	74A586200-2101 +	. FILLER (FOAM) (76301)	4		MGOZZ
37	74A586200-2099 +	. FILLER (FOAM) (76301)	4		MGOZZ
38	74A586200-2097 +	. FILLER (FOAM) (76301)	4		MGOZZ
39	74A586200-2095 +	. FILLER (FOAM) (76301)	2		MGOZZ
40	74A586200-2117 +	. FILLER (FOAM) (76301)	4		MGOZZ
41	74A586200-2091 +	. FILLER (FOAM) (76301)	4		MGOZZ
42	74A586200-2087 +	. FILLER (FOAM) (76301)	2		MGOZZ
43	74A586200-2085 +	. FILLER (FOAM) (76301)	4		MGOZZ
44	74A586200-2083 +	. FILLER (FOAM) (76301)	4		MGOZZ
45	74A586200-2081 +	. FILLER (FOAM) (76301)	4		MGOZZ
46	74A586200-2123 +	. FILLER (FOAM) (76301)	2		MGOZZ
47	74A586200-2155 +	. FILLER (FOAM) (76301)	1		MGOZZ

Figure 1. No. 2 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 9)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
48	74A586200-2145 +	. FILLER (FOAM) (76301)	2		MGOZZ
49	74A586200-2181 +	. FILLER (FOAM) (76301)	2		MGOZZ
50	74A586200-2197 +	. FILLER (FOAM) (76301)	2		MGOZZ
51	74A586200-2199 +	. FILLER (FOAM) (76301)	2		MGOZZ
52	74A586200-2201 +	. FILLER (FOAM) (76301)	2		MGOZZ
53	74A586200-2203 +	. FILLER (FOAM) (76301)	2		MGOZZ
54	74A586200-2205 +	. FILLER (FOAM) (76301)	2		MGOZZ
55	74A586200-2207 +	. FILLER (FOAM) (76301)	2		MGOZZ
56	74A586200-2059 +	. FILLER (FOAM) (76301)	1		MGOZZ
57	74A586200-2061 +	. FILLER (FOAM) (76301)	1		MGOZZ
58	74A586200-2245 +	. FILLER (FOAM) (76301)	1		MGOZZ
59	74A586200 2065 +	. FILLER (FOAM) (76301)	1		MGOZZ
60	74A586200-2063 +	. FILLER (FOAM) (76301)	1	Α	MGOZZ
	74A586200-2397 +	. FILLER (FOAM) (76301)	1	В	MGOZZ
61	74A586200 2063 +	. FILLER (FOAM) (76301)	1		MGOZZ
62	74A586200-2067 +	. FILLER (FOAM) (76301)	1		MGOZZ
63	74A586200-2492 +	. FILLER (FOAM) (76301)	1		MGOZZ
64	74A586200-2069 +	. FILLER (FOAM) (76301)	1	Α	MGOZZ
	74A586200-2393 +	. SEE ABOVE	1	В	MGOZZ
65	74A586200-2491 +	. FILLER (FOAM) (76301)	1		MGOZZ
66	74A586200-2079 +	. FILLER (FOAM) (76301)	1	Α	MGOZZ
	74A586200-2396 +	. SEE ABOVE	1	В	MGOZZ
67	74A586200-2243 +	. FILLER (FOAM) (76301)	1		MGOZZ
68	74A586200-2075 +	. FILLER (FOAM) (76301)	1		MGOZZ
69	74A586200-2073 +	. FILLER (FOAM) (76301)	1		MGOZZ
70	74A586200-2271 +	FILLER (FOAM) (76301) (SUPERSEDES 74A586200-2235)	1		MGOZZ
71	74A586200-2241 +	. FILLER (FOAM) (76301)	1		MGOZZ
72	74A586200-2239 +	. FILLER (FOAM) (76301)	1		MGOZZ
73	74A586200-2237 +	. FILLER (FOAM) (76301)	1		MGOZZ
74	74A586200-2233 +	. FILLER (FOAM) (76301)	1		MGOZZ
75	74A586200-2139 +	. FILLER (FOAM) (76301)	2		MGOZZ
76	74A586200-2121 +	. FILLER (FOAM) (76301)	2		MGOZZ
77	74A586200-2169 +	. FILLER (FOAM) (76301)	2		MGOZZ

⁺ REFER TO A1-F18AC-SRM-230, WP020 00 AND WP021 00 FOR FOAM FILLER DIMENSIONS.

CODE	USABLE ON	MODEL
A	161353 THRU 161715 BEFORE F/A-18 AFC 18	F/A-18A
В	161353 THRU 161715 AFTER F/A-18 AFC 18	F/A-18A

Figure 1. No. 2 Fuel Tank Cavity Foam Filler - 161353 THRU 161741 (Sheet 10)

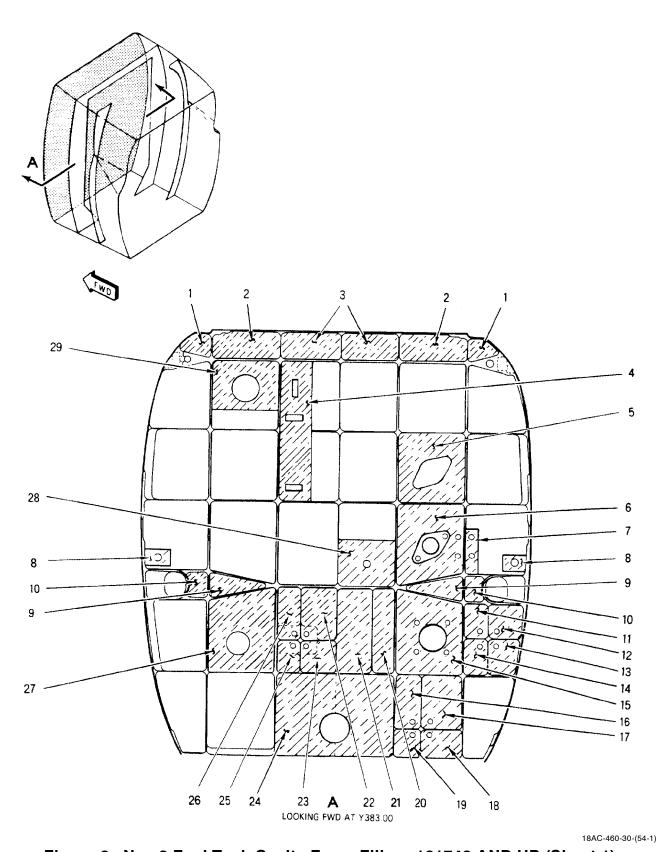


Figure 2. No. 2 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 1)

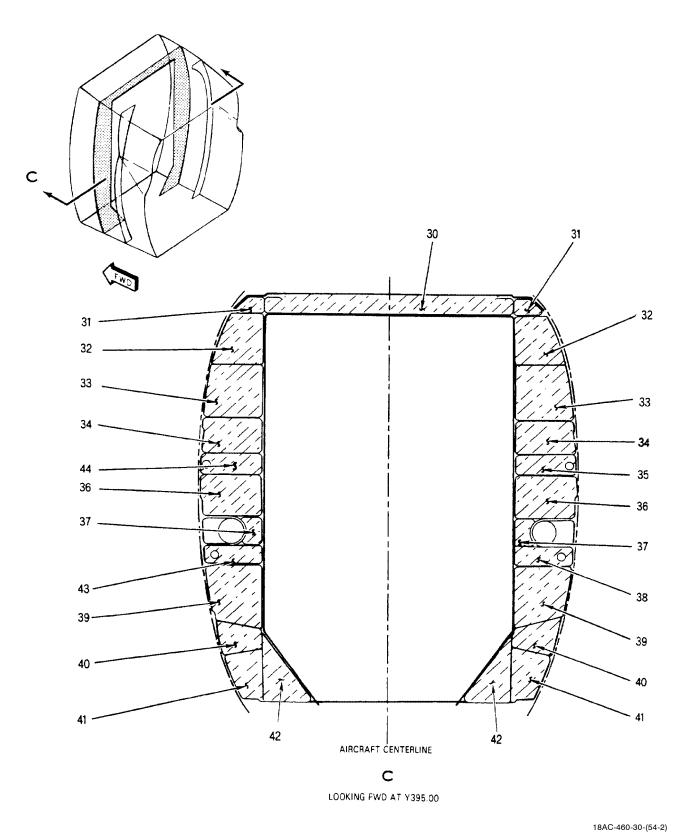


Figure 2. No. 2 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 2)

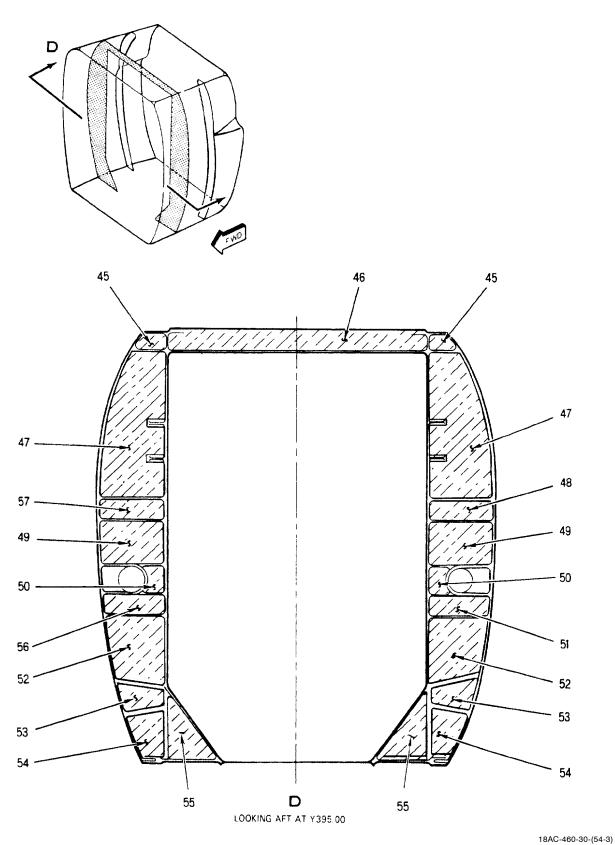


Figure 2. No. 2 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 3)

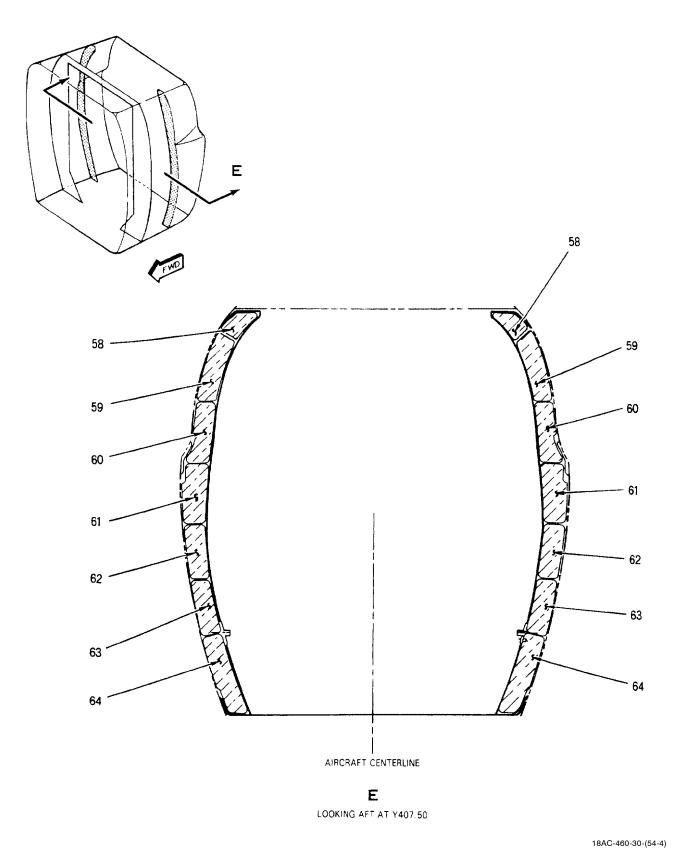


Figure 2. No. 2 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 4)

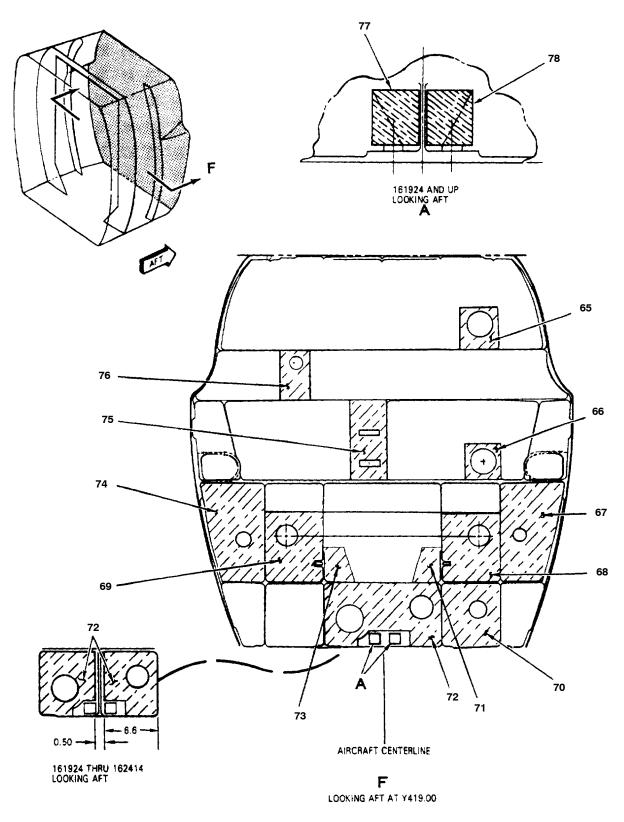


Figure 2. No. 2 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 5)

18AC-460-30-(54-5)

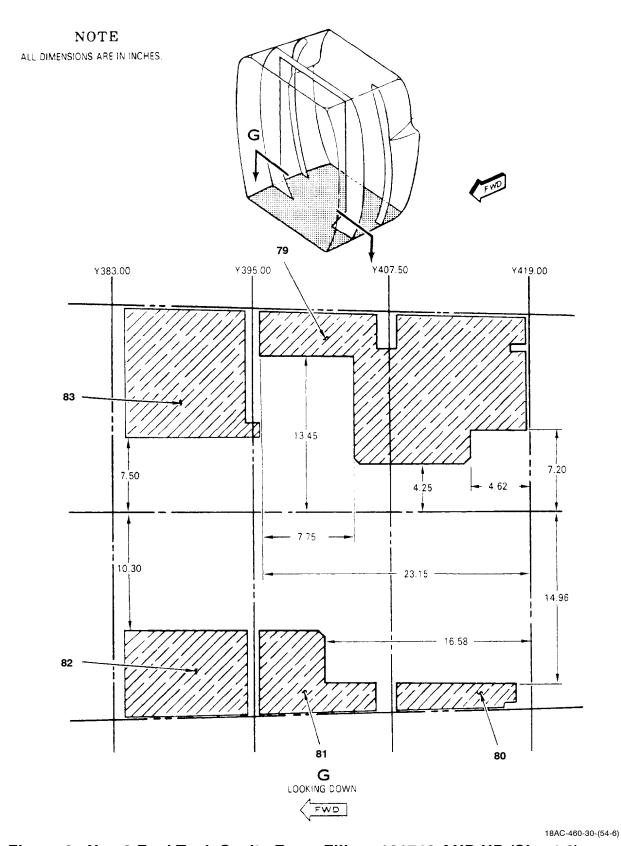


Figure 2. No. 2 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 6)

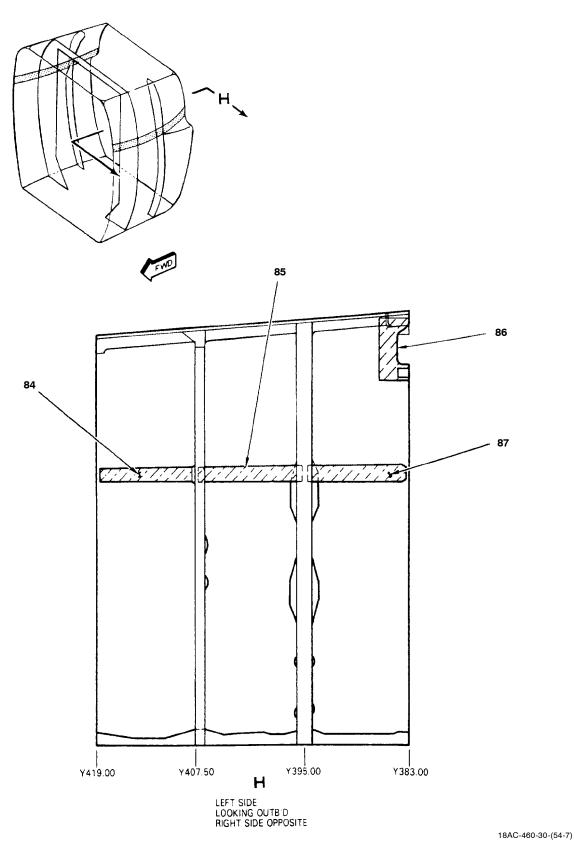


Figure 2. No. 2 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 7)

INDEX NO.	PART NUMBER	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY	USE ON CODE	SM&R CODE
		NO. 2 FUEL TANK CAVITY FOAM FILLER - 161742 AND UP			
1	74A586200-2273 +	FILLER (FOAM) (76301)	1		MGOZZ
2	74A586200-2275 +	FILLER (FOAM) (76301)	2		MGOZZ
3	74A586200-2277 +	FILLER (FOAM) (76301)	2		MGOZZ
4	74A586200-2281 +	FILLER (FOAM) (76301)	1		MGOZZ
5	74A586200-2281 +	FILLER (FOAM) (76301)	1		MGOZZ
6	74A586200-2287 +	FILLER (FOAM) (76301)	1		MGOZZ
7	74A586200 2289 +	FILLER (FOAM) (76301)	1		MGOZZ
8	74A586200-2425 +	FILLER (FOAM) (76301)	2		MGOZZ
9	74A586200-2293 +	FILLER (FOAM) (76301)	2		MGOZZ
10	74A586200-2291 +	FILLER (FOAM) (76301)	2		MGOZZ
11	74A586200-2251 +	FILLER (FOAM) (76301)	1		MGOZZ
12	74A586200-2311 +	FILLER (FOAM) (76301)	1		MGOZZ
13	74A586200-2317 +	FILLER (FOAM) (76301)	1		MGOZZ
14	74A586200-2315 +	FILLER (FOAM) (76301)	1		MGOZZ
15	74A586200-2313 +	FILLER (FOAM) (76301)	1		MGOZZ
16	74A586200-2303 +	FILLER (FOAM) (76301)	1		MGOZZ
17	74A586200-2321 +	FILLER (FOAM) (76301)	1		MGOZZ
18	74A586200-2327 +	FILLER (FOAM) (76301)	1		MGOZZ
19	74A586200-2327 +	FILLER (FOAM) (76301)	1		MGOZZ
20	74A586200-2325 + 74A586200-2307 +	FILLER (FOAM) (76301)	1		MGOZZ
20	74A586200-2307 +	FILLER (FOAM) (76301)	1		MGOZZ
22	74A586200-2299 +	FILLER (FOAM) (76301)	1		MGOZZ
23	74A586200-2393 +	FILLER (FOAM) (76301)	1		MGOZZ
24	74A586200-2305 +	FILLER (FOAM) (76301)	1		MGOZZ
25	74A586200-2317 +	FILLER (FOAM) (76301)	1		MGOZZ
26	74A586200-2297 +	FILLER (FOAM) (76301)	1		MGOZZ
27	74A586200-2295 +	FILLER (FOAM) (76301)	1		MGOZZ
28	74A586200-2285 +	FILLER (FOAM) (76301)	1		MGOZZ
29	74A586200-2265 +	FILLER (FOAM) (76301)	1		MGOZZ
30	74A586200-2329 +	FILLER (FOAM) (76301)	1		MGOZZ
31	74A586200-2331 +	FILLER (FOAM) (76301)	2		MGOZZ
32	74A586200-2333 +	FILLER (FOAM) (76301)	2		MGOZZ
33	74A586200-2335 +	FILLER (FOAM) (76301)	2		MGOZZ
34	74A586200-2337 +	FILLER (FOAM) (76301)	2		MGOZZ
35	74A586200-2337 +	FILLER (FOAM) (76301)	1		MGOZZ
36	74A586200-2340 +	FILLER (FOAM) (76301)	2		MGOZZ
37	74A586200-2343 +	FILLER (FOAM) (76301)	2		MGOZZ
38	74A586200-2345 +	FILLER (FOAM) (76301)	1		MGOZZ
39	74A586200-2347 +	FILLER (FOAM) (76301)	2		MGOZZ
40	74A586200-2347 + 74A586200-2349 +	FILLER (FOAM) (76301)	2		MGOZZ
41	74A586200-2351 +	FILLER (FOAM) (76301)	2		MGOZZ
42	74A586200-2351 + 74A586200-2353 +	FILLER (FOAM) (76301)	2		MGOZZ
43	74A586200-2335 + 74A586200-2345 +	FILLER (FOAM) (76301)	1		MGOZZ
44	74A586200-2345 + 74A586200-2339 +	FILLER (FOAM) (76301)	1		MGOZZ
45	74A586200-2339 +	FILLER (FOAM) (76301)	2		MGOZZ
46	74A586200-2375 +	FILLER (FOAM) (76301)	1		MGOZZ

Figure 2. No. 2 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 8)

INDEX NO.	PART NUMBER	DESCRIPTION	UNITS PER	USE ON	SM&R CODE
	1	1 2 3 4 5 6 7	ASSY	CODE	
47	74A586200-2373 +	. FILLER (FOAM) (76301)	2		MGOZZ
48	74A586200-2371 +	. FILLER (FOAM) (76301)	1		MGOZZ
49	74A586200-2369 +	. FILLER (FOAM) (76301)	2		MGOZZ
50	74A586200-2367 +	. FILLER (FOAM) (76301)	2		MGOZZ
51	74A586200-2365 +	. FILLER (FOAM) (76301)	1		MGOZZ
52	74A586200-2363 +	. FILLER (FOAM) (76301)	2		MGOZZ
53	74A586200-2361 +	. FILLER (FOAM) (76301)	2		MGOZZ
54	74A586200-2359 +	. FILLER (FOAM) (76301)	2		MGOZZ
55	74A586200-2357 +	. FILLER (FOAM) (76301)	2		MGOZZ
56	74A586200-2366 +	. FILLER (FOAM) (76301)	1		MGOZZ
57	74A586200 2372 +	. FILLER (FOAM) (76301)	1		MGOZZ
58	74A586200-2389 +	. FILLER (FOAM) (76301)	2		MGOZZ
59	74A586200-2387 +	. FILLER (FOAM) (76301)	2		MGOZZ
60	74A586200-2385 +	. FILLER (FOAM) (76301)	2		MGOZZ
61	74A586200-2383 +	. FILLER (FOAM) (76301)	2		MGOZZ
62	74A586200-2381 +	. FILLER (FOAM) (76301)	2		MGOZZ
63	74A586200-2379 +	. FILLER (FOAM) (76301)	2		MGOZZ
64	74A586200-2377 +	. FILLER (FOAM) (76301)	2		MGOZZ
65	74A586200-2403 +	. FILLER (FOAM) (76301)	1		MGOZZ
66	74A586200-2433 +	. FILLER (FOAM) (76301)	1		MGOZZ
67	74A586200-2395 +	. FILLER (FOAM) (76301)	1		MGOZZ
68	74A586200-2397 +	. FILLER (FOAM) (76301)	1		MGOZZ
69	74A586200-2398 +	. FILLER (FOAM) (76301)	1		MGOZZ
70	74A586200-2391 +	. FILLER (FOAM) (76301)	1		MGOZZ
71	74A586200-2492 +	. FILLER (FOAM) (76301)	1		MGOZZ
72	74A586200-2393 +	. FILLER (FOAM) (76301)	1		MGOZZ
73	74A586200-2491 +	. FILLER (FOAM) (76301)	1		MGOZZ
74	74A586200-2396 +	. FILLER (FOAM) (76301)	1		MGOZZ
75	74A586200-2401 +	. FILLER (FOAM) (76301)	1		MGOZZ
76	74A586200-2405 +	. FILLER (FOAM) (76301)	1		MGOZZ
77	74A586200-2432 +	. FILLER (FOAM) (76301)	1		MGOZZ
78	74A586200-2431 +	. FILLER (FOAM) (76301)	1		MGOZZ
79	74A586200-2417 +	. FILLER (FOAM) (76301)	1		MGOZZ
80	74A586200 2423 +	. FILLER (FOAM) (76301)	1		MGOZZ
81	74A586200-2421 +	. FILLER (FOAM) (76301)	1		MGOZZ
82	74A586200-2419 +	. FILLER (FOAM) (76301)	1		MGOZZ
83	74A586200-2415 +	. FILLER (FOAM) (76301)	1		MGOZZ
84	74A586200-2413 +	. FILLER (FOAM) (76301)	1		MGOZZ
85	74A586200-2411 +	. FILLER (FOAM) (76301)	1		MGOZZ
86	74A586200-2407 +	. FILLER (FOAM) (76301)	1		MGOZZ
		(LEFT SIDE ONLY)			
	74A586200-2408 +	. FILLER (FOAM) (76301) (RIGHT SIDE ONLY)	1		MGOZZ
87	74A586200-2409 +	. FILLER (FOAM) (76301)	1		MGOZZ

⁺ REFER TO A1-F18AC-SRM 230, WP020 00 AND WP021 00 FOR FOAM FILLER DIMENSIONS.

Figure 2. No. 2 Fuel Tank Cavity Foam Filler - 161742 AND UP (Sheet 9)